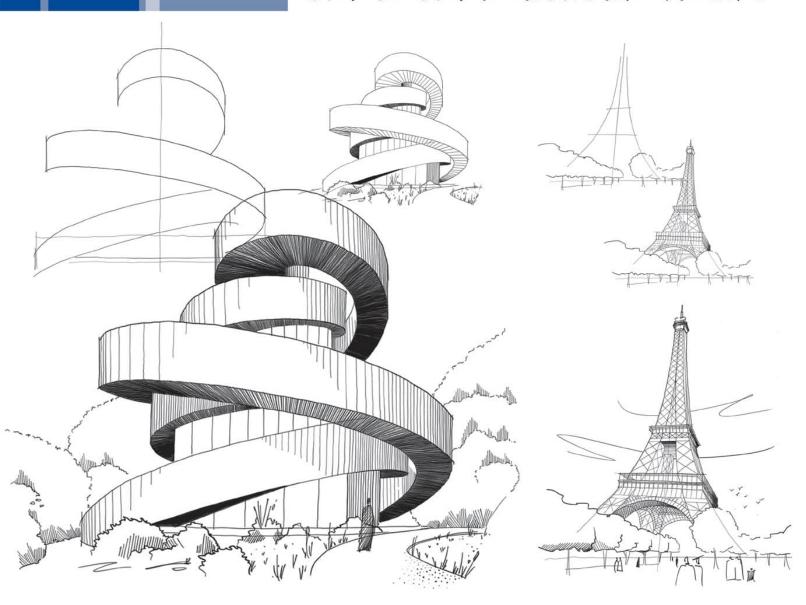
DRAW LIKE AN ARTIST

100 BUILDINGS & ARCHITECTURAL FORMS

STEP-BY-STEP REALISTIC LINE DRAWING



DRAW LIKE AN ARTIST

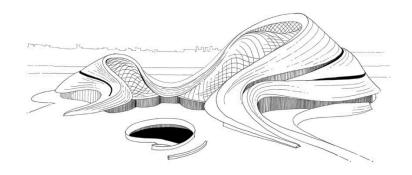
100 BUILDINGS & ARCHITECTURAL FORMS

Step-by-Step Realistic Line Drawing A Sourcebook for Aspiring Artists and Designers

DAVID DRAZIL



CONTENTS



INTRODUCTION

How to Use This Book

Tips on Architectural Sketching & Drawing

RESIDENTIAL

Barcelona Pavilion | Barcelona, Spain

Farnsworth House | Plano, Illinois, USA

Villa Tugendhat | Brno, Czech Republic

Fallingwater | Mill Run, Pennsylvania, USA

Villa Savoye | Poissy, France

Weissenhof Estate | Stuttgart, Germany

Reflection of Mineral | Tokyo

House in Abiko | Abiko City, Japan

Victorian Painted Ladies | San Francisco, California, USA

Markthal | Rotterdam, Netherlands

Robie House | Chicago, Illinois, USA

High Line at 520 West 28th Street | New York City

Rietveld Schröder House | Utrecht, Netherlands

Villa Mueller | Prague, Czech Republic

Bay window detail | Copenhagen, Denmark

Qiyunshan Tree House Hotel | China

The Silo | Copenhagen, Denmark

Valley Villa | Vilnius, Lithuania

Tree House | Cape Town, South Africa

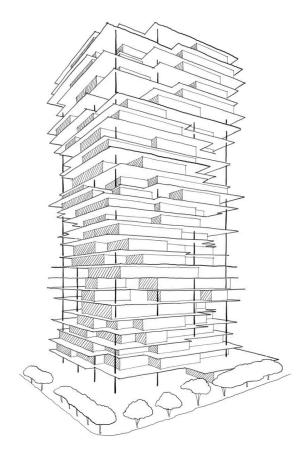
Beirut Terraces | Beirut, Lebanon

DYEJI | Luanda, Angola

Rimrock | Spokane, Washington, USA

Rural House | La Garrotxa, Spain

Concrete Box House | Houston, Texas, USA Marble House | Bangkok, Thailand Five Terraces and a Garden | Quarteira, Portugal Sharifi-Ha House | Tehran, Iran



COMMERCIAL (OFFICES / ADMINISTRATIVE)

Dancing House | Prague, Czech Republic

The Gherkin | London

Chrysler Building | New York City

Oculus, World Trade Center | New York City

The Flatiron Building | New York City

Central Radio & TV Tower | Beijing

Salk Institute for Biological Studies | La Jolla, California, USA

Sugamo Shinkin Bank | Kawaguchi, Japan

Selfridges Building, Birmingham | Birmingham, England

VitraHaus | Weil am Rhein, Germany

Learning Hub | Singapore

Antwerp Port House | Antwerp, Belgium

Antinori Winery (staircase detail) | Bargino, Italy

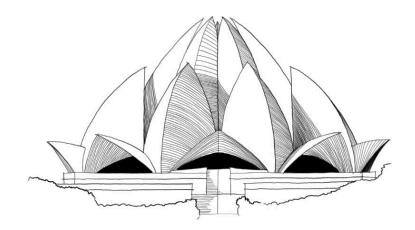
INSTITUTIONAL / EDUCATIONAL

Bauhaus | Dessau, Germany

Tietgenkollegiet | Copenhagen, Denmark

Institute for Contemporary Art, Virginia Commonwealth University | Richmond, Virginia, USA

Innovation Center, University of Chile | Santiago, Chile



HISTORIC / SACRED / MONUMENTS

Giza Pyramid Complex | Giza City, Egypt

Hagia Sofia | Istanbul

The Parthenon, Acropolis of Athens | Athens

Taj Mahal | Agra, India

Colosseum | Rome

Sainte Marie de La Tourette | L'Arbresle, France

Notre-Dame du Haut | Ronchamp, France

Leaning Tower of Pisa | Pisa, Italy

Cathedral of Brasilia | Brasilia, Brazil

Sagrada Familia | Barcelona, Spain

Stonehenge | Wiltshire, England

The Great Buddha Hall of Tōdai-ji | Nara, Japan

Prague Castle | Prague, Czech Republic

Lotus Temple | Delhi, India

CULTURAL

(MUSEUMS / GALLERIES / LIBRARIES)

Ribbon Chapel | Hiroshima, Japan

Notre-Dame de Paris | Paris

Centre Georges Pompidou | Paris

Louvre Pyramid | Paris

Vessel | New York City

Solomon R. Guggenheim Museum | New York City

Guggenheim Museum Bilbao | Bilbao, Spain

Sydney Opera House | Sydney, Australia

Experimenta Building | Heilbronn, Germany

Heydar Aliyev Center | Baku, Azerbaijan

Oslo Opera House | Oslo, Norway

Hoki Museum | Midori-ku, Chiba, Japan

Oscar Niemeyer Museum | Curitiba, Brazil

Niterói Contemporary Art Museum | Rio de Janeiro

The Twist Gallery | Jevnaker, Norway

Neue Nationalgalerie | Berlin

Elbphilharmonie | Hamburg, Germany

Harbin Opera House | Harbin, China

Enzo Ferrari Museum | Modena, Italy

ArtScience Museum | Singapore

BRIDGES

Tower Bridge | London

Golden Gate Bridge | San Francisco, California, USA

Charles Bridge | Prague, Czech Republic

Sheikh Zayed Bridge | Abu Dhabi, United Arab Emirates

Brooklyn Bridge | New York City

Millau Viaduct | Millau, France

Pont du Gard | Vers-Pont-du-Gard, France

Stari Most | Mostar, Bosnia and Herzegovina

Rialto Bridge | Venice, Italy

Ponte Vecchio | Florence, Italy

Erasmus Bridge | Rotterdam, Netherlands

Sydney Harbour Bridge | Sydney, Australia

Jade Belt Bridge | Beijing

TOWERS / HIGH-RISES / SKYSCRAPERS

Burj Khalifa | Dubai, United Arab Emirates

Eiffel Tower | Paris

Big Ben | London

Space Needle | Seattle, Washington, USA

Nakagin Capsule Tower | Tokyo Axel Towers | Copenhagen, Denmark Hearst Tower | New York City

SPORTS FACILITIES

Beijing National Stadium (Bird's Nest) | Beijing

LANDSCAPE ARCHITECTURE
Stage of Forest | Jilin, China

Acknowledgments
About the Author

INTRODUCTION

Even in the twenty-first century, free-hand sketching and drawing play important roles in both designing and visualizing architectural projects and ideas.

As architects, we use hand-drawing as one of the tools in our toolkit. Through drawing, we brainstorm and develop ideas. We shape these ideas, and through an iterative process, we give them form. Sketching and drawing help us to understand problems, solve them, and communicate the solutions to others.

Hand-drawing has one huge advantage over any computer program—it is based on our natural and instant connection between our mind and hands. The hand-drawing process is unobstructed by any technological barrier and allows us to get into the state of flow, where our creativity and problemsolving skills are at their peak.

This book will help you not only to adopt an effective approach to the architectural sketching process but also to understand the depicted buildings better—their proportions, scale, structure, and tectonics.

Since drawing is simultaneously seeing, thinking, and understanding, I hope this book will help you discover a new angle of how you can look at architecture surrounding us.

HOW TO USE THIS BOOK

This book depicts a variety of architectural buildings and structures from all around the world, shown in a step-by-step drawing process. It should serve you as inspiration and as a visual reference you can follow to achieve the same results.

Feel free to skip around and draw the buildings that you like or that you find challenging to draw. Even though the process depicted on these pages suggests one approach, don't feel limited by it. Use it as a guideline for your own drawing process and don't hesitate to go your own way or add extra layers of shading and coloring if it fits your style and intention.

Suggested Materials

Every image you see in this book was drawn free-hand without any rulers, protractors, or similar tools. Whether you prefer to draw in a traditional way or digitally, here are recommended tools you can use:

If working traditionally:

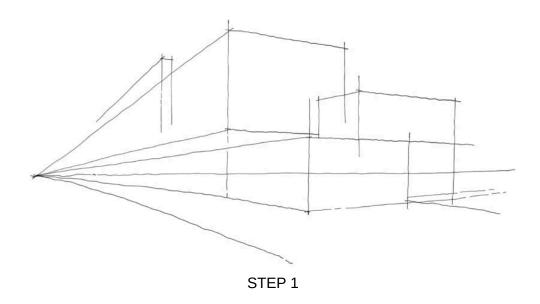
- Graphite pencil
- Fine-liner pens with different line weights (choose two to three thicknesses anywhere from 0.05 mm to 1 mm)
- Any paper that you enjoy working on; plain office paper 80g/m² will do just fine
- Eraser

If working digitally:

- Photoshop and a graphic tablet
- iPad with Apple pencil and Procreate, Morpholio Trace, or any other preferred drawing app

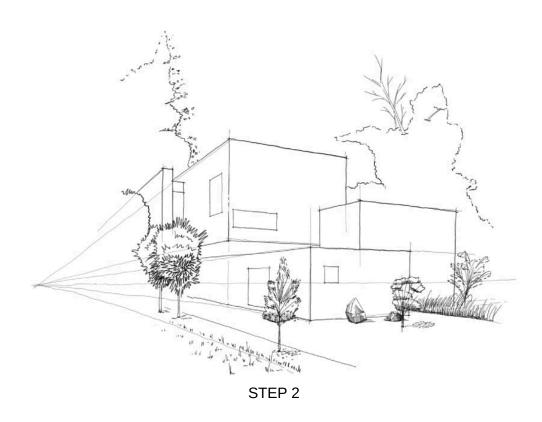
Start with Composition

The drawing process starts with outlining the structure of the overall composition, including the most important vertical and horizontal lines/edges. Very often it involves setting up a perspective grid with the horizon line and vanishing points. In this phase, use a pencil to draw very lightly, as these construction guidelines are mostly to serve the process and they eventually can be erased.



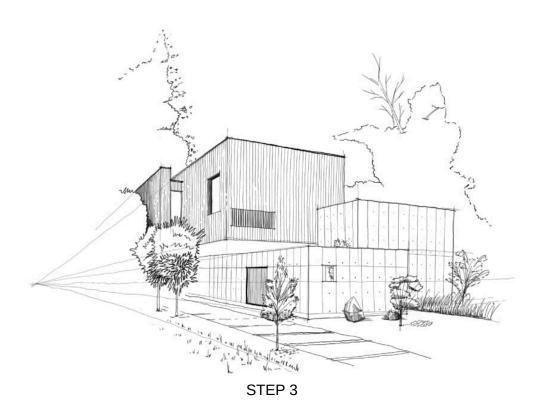
Outline Volumes & Context

Next, use the established composition structure and define the main volumes, adding their closest surroundings to provide context. This might include drawing the elements in the foreground, such as vegetation and trees. Blocking out the foreground makes it easier, as we won't need to draw the areas behind these elements.



Add Textures

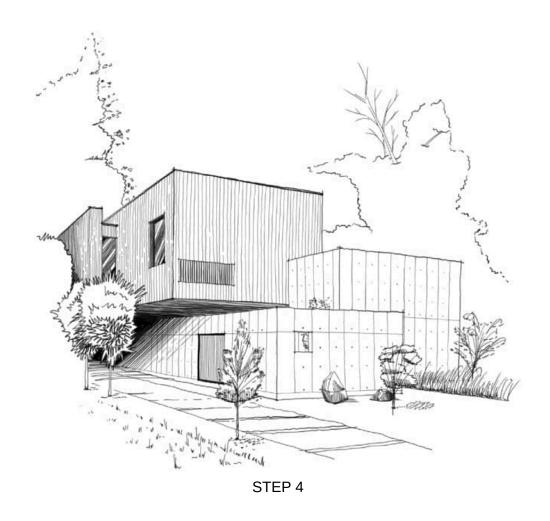
To express materiality in drawings, add textures suggesting different real-life materials commonly used in architecture, such as timber, stone, concrete, steel, and glass. These textures work as graphic shortcuts—simplified versions of reality—and add a new layer of information and detail to drawings. The more detail we add, the more the viewer's attention is drawn to a certain area of an image. That's why it makes sense to use selective texturing—applying textures to highlight only the parts of an image on which we want a viewer to focus.



Shading & Final Touches

Finally, to increase contrast and a sense of plasticity, add shading. Shading can be observed from a reference or it can be deliberately decided by an artist. Either way, it's a good idea to define the light source and the main direction of light so we know which surfaces should be lit (exposed to light) and which should be shaded (light is blocked by other surfaces).

As for final touches, you may want to erase the original construction guidelines drawn in pencil during the first step and clean up anything unwanted. Optionally, you can add more contextual information by drawing sky or water reflections (as used in other examples in this book).



TIPS ON ARCHITECTURAL SKETCHING & DRAWING

TIP #1: LEARN TO DRAW LONG, STRAIGHT LINES

All the architectural drawings in this book are based on lines. The lines are used not only for contours, but also for guidelines, constructional lines, shading, hatching, and texturing—pretty much everything in a drawing. You'll find out that most of these lines are simply straight and are sometimes very long. That's why it's a great idea to practice drawing confident long, straight lines.

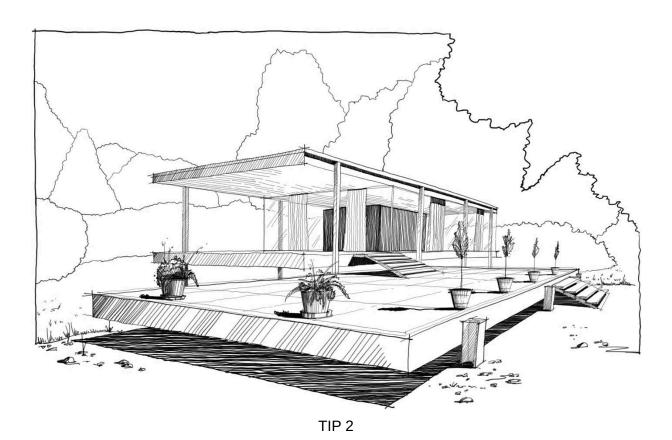
EXERCISE: Grab a blank sheet of paper and fill it with three layers of lines—vertical lines, horizontal lines, and diagonal lines. Treat this as a warm-up exercise before drawing, just as you would warm up before any sport activity.

To achieve confidence in long straight lines, I suggest the following: First, draw with your whole your arm, starting the movement from your shoulder, and avoid bending your wrist. Second, look and focus on the endpoint of a line you're drawing. This will help to naturally guide your hand to where you're looking.

TIP #2: VARY THE LINE WEIGHT

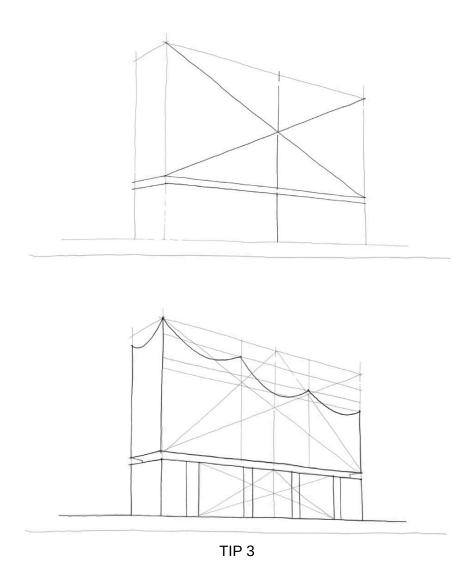
Use of different line weights—thicknesses of pen strokes—serves well for defining depth planes, for better clarity, and for creating emphasis and contrast in a drawing.

To use different line weights to support the illusion of depth, use thicker strokes in the foreground—depicting elements close to the viewer—and thinner lines in the background, such as trees, mountains, or a cityscape in the distance.



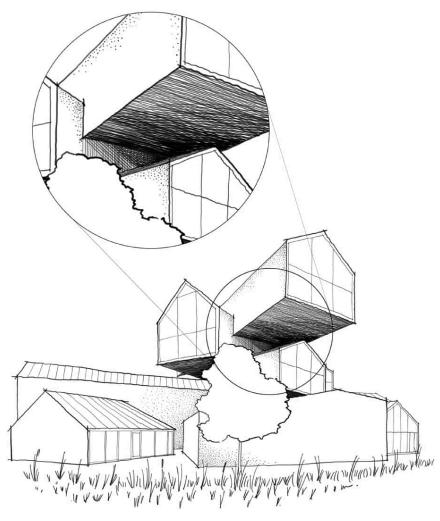
TIP #3: START WITH IMAGINARY BOUNDING BOXES

Before diving into details, set your main volumes in perspective by drawing imaginary bounding boxes surrounding the main volumes. These simple boxes help ensure that your perspective view is correct and prepares you to draw more defined volumes and details inside.



TIP #4: USE CROSS-HATCHING FOR SHADING

Hatching is commonly used to add textures or shading. Cross-hatching is the same, just applied in two or more layers on top of each other. Each new layer should have a different direction from the previous one. In that way, you can achieve very gradual darkening of big areas, which can create illusions of soft shading.



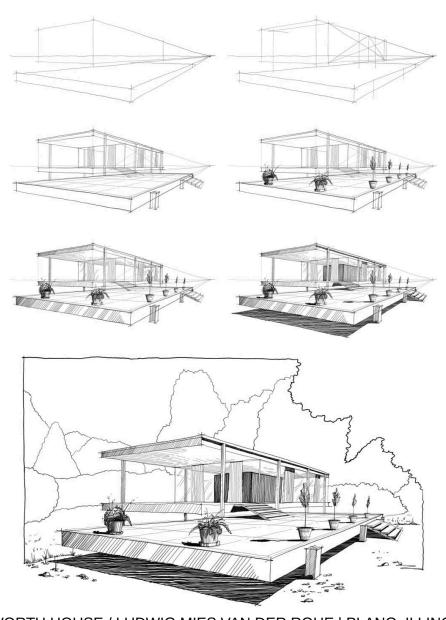
TIP 4

TIP #5: TRAIN YOUR OBSERVATION SKILLS

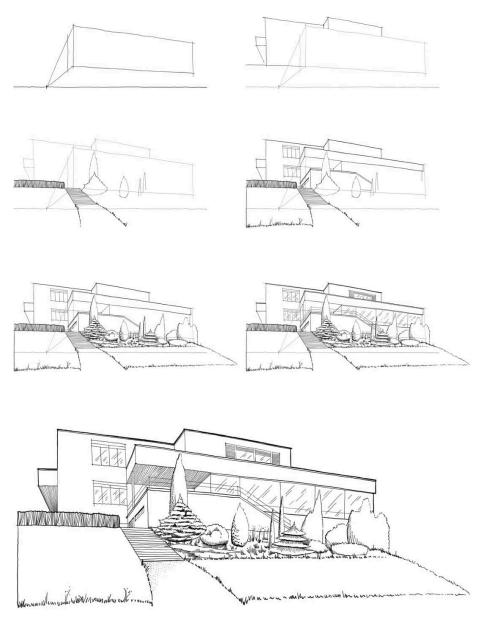
If I were to choose just one thing that is often neglected but has dramatic impact on sketches, it would be observation skills. Learn to observe and understand why things work and look like they do. Observation skills are essential for good sketching, composition, light and shadows, proportions, materiality, and everything else. Train yourself to become better at observing positive and negative space of objects, their proportions, and spatial relations between them. It's a skill like any other and, with a little bit of practice, you'll get better at it and, more importantly, your sketches will improve. Sketching and drawing forces you to understand the object first before drawing it. In that way, when you sketch, you're always learning something new.



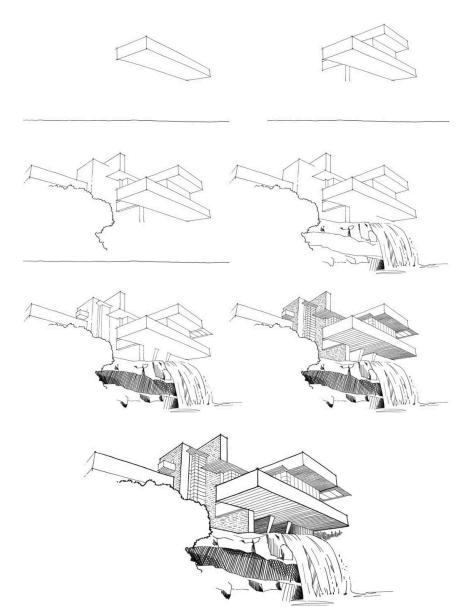
THE GERMAN PAVILION / LUDWIG MIES VAN DER ROHE | BARCELONA, SPAIN



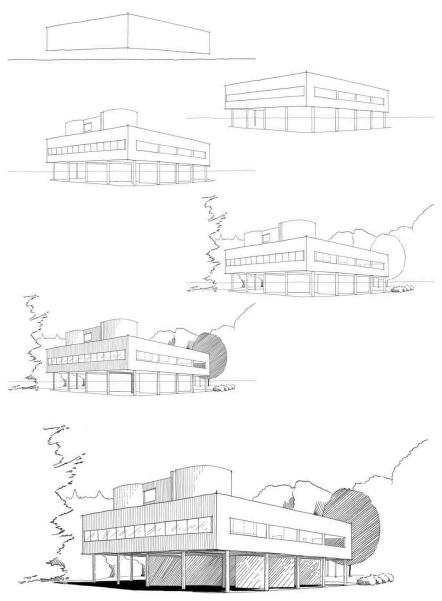
FARNSWORTH HOUSE / LUDWIG MIES VAN DER ROHE | PLANO, ILLINOIS, USA



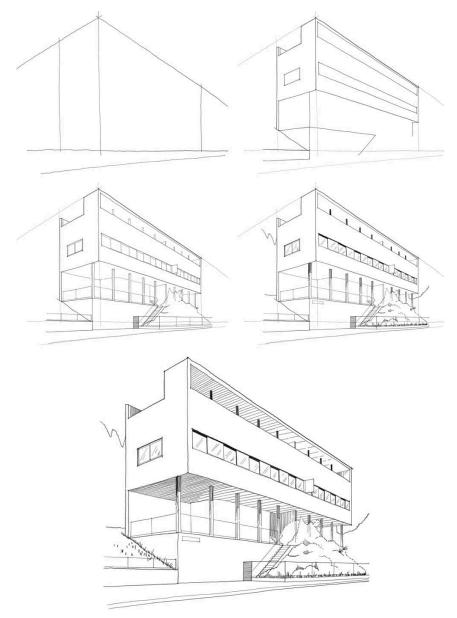
VILLA TUGENDHAT / LUDWIG MIES VAN DER ROHE | BRNO, CZECH REPUBLIC



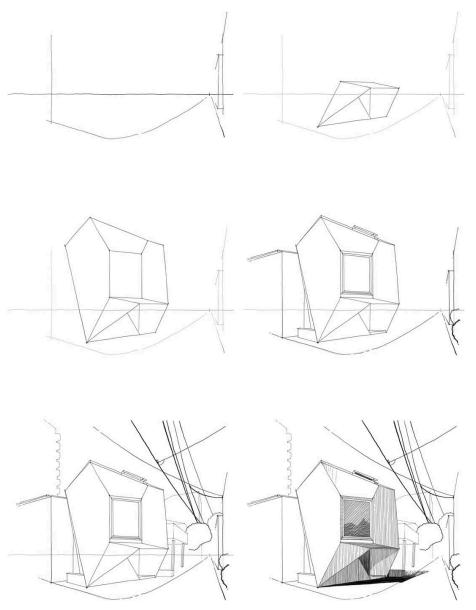
FALLINGWATER / FRANK LLOYD WRIGHT | MILL RUN, PENNSYLVANIA, USA



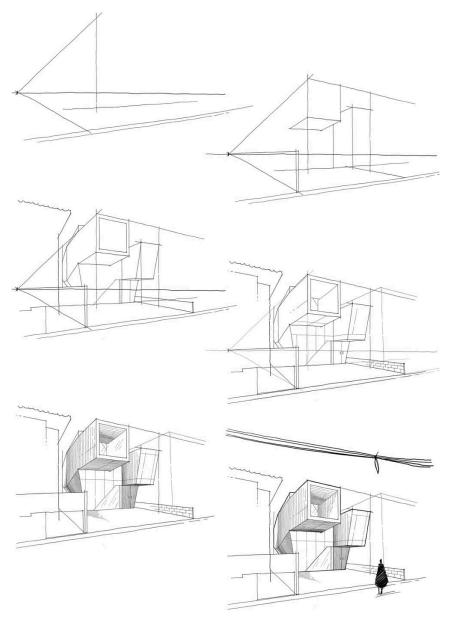
VILLA SAVOYE / LE CORBUSIER | POISSY, FRANCE



WEISSENHOF ESTATE / LE CORBUSIER | STUTTGART, GERMANY



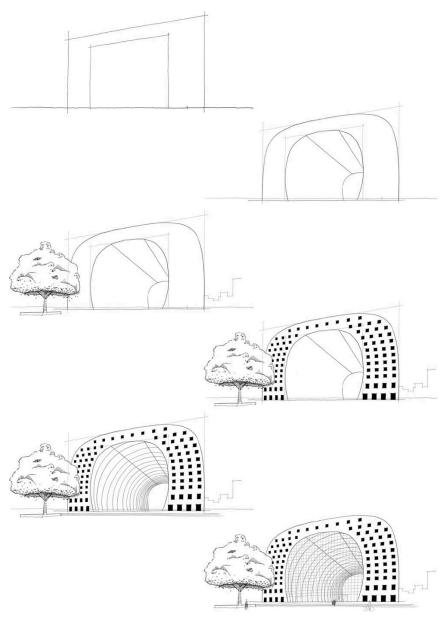
REFLECTION OF MINERAL / ATELIER TEKUTO | TOKYO



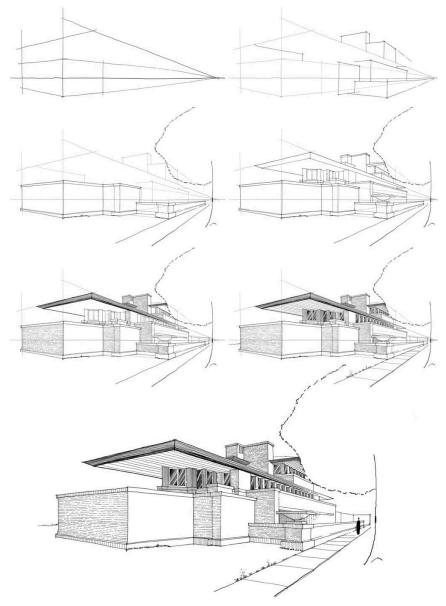
HOUSE IN ABIKO / FUSE-ATELIER | ABIKO CITY, JAPAN



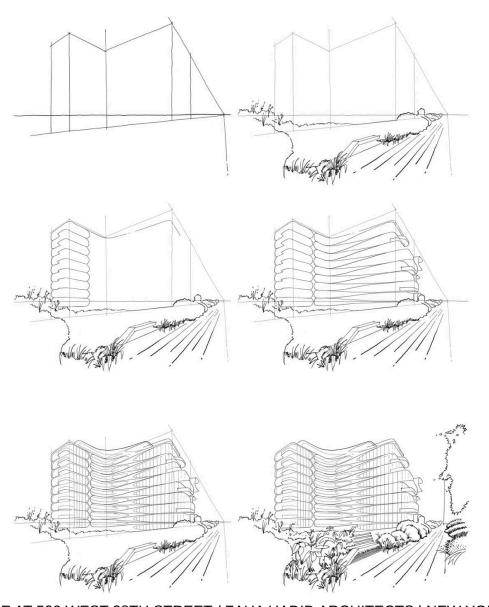
VICTORIAN PAINTED LADIES | SAN FRANCISCO, CALIFORNIA, USA



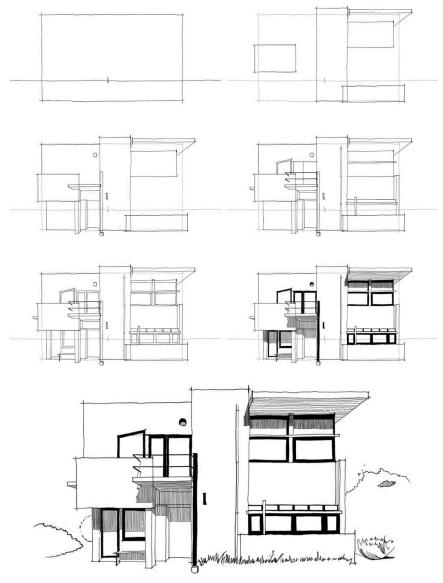
MARKTHAL / MVRDV | ROTTERDAM, NETHERLANDS



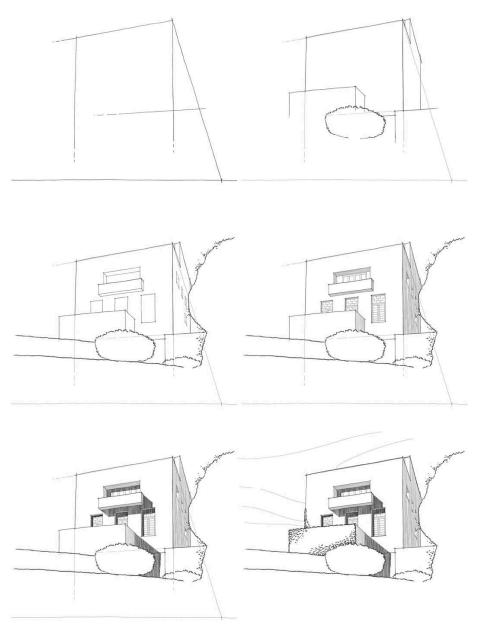
ROBIE HOUSE / FRANK LLOYD WRIGHT | CHICAGO, ILLINOIS, USA



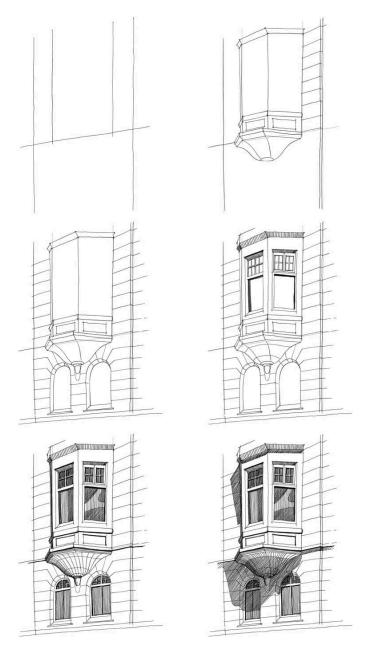
HIGH LINE AT 520 WEST 28TH STREET / ZAHA HADID ARCHITECTS | NEW YORK CITY



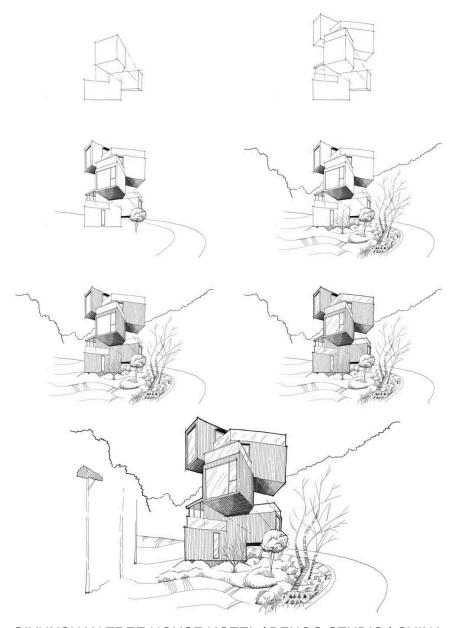
RIETVELD SCHRÖDER HOUSE / GERRIT RIETVELD | UTRECHT, NETHERLANDS



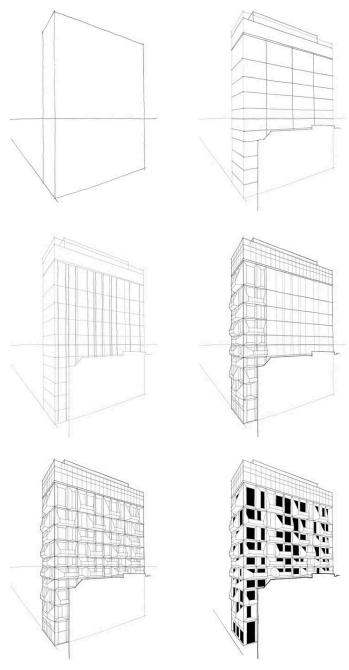
VILLA MUELLER / ADOLF LOOS | PRAGUE, CZECH REPUBLIC



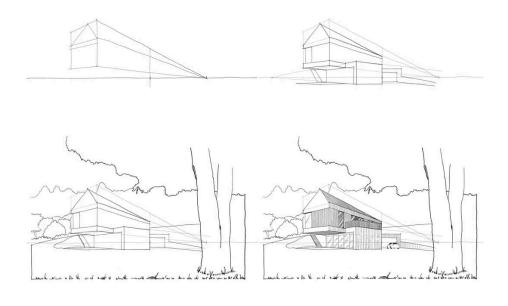
BAY WINDOW DETAIL | COPENHAGEN, DENMARK



QIYUNSHAN TREE HOUSE HOTEL / BENGO STUDIO | CHINA

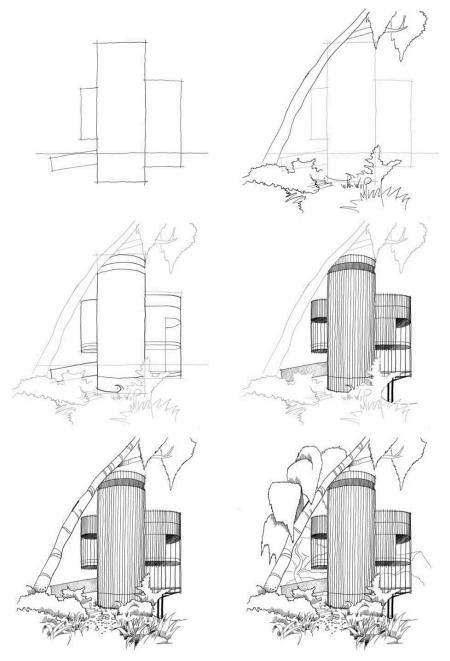


THE SILO / COBE | COPENHAGEN, DENMARK

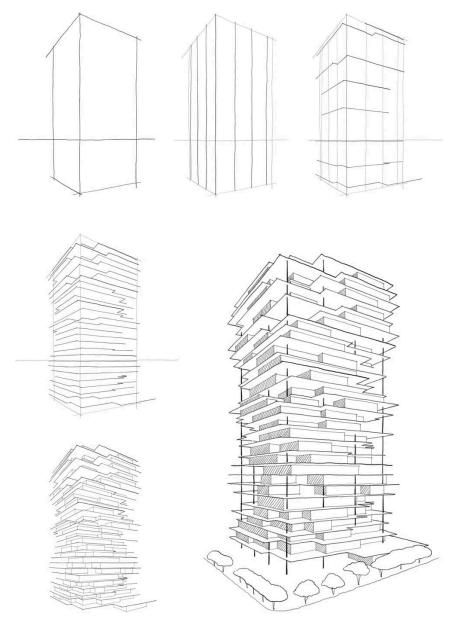




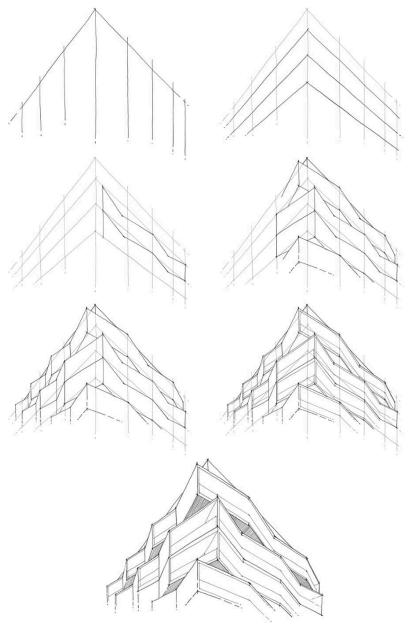
VALLEY VILLA / ARCHES | VILNIUS, LITHUANIA



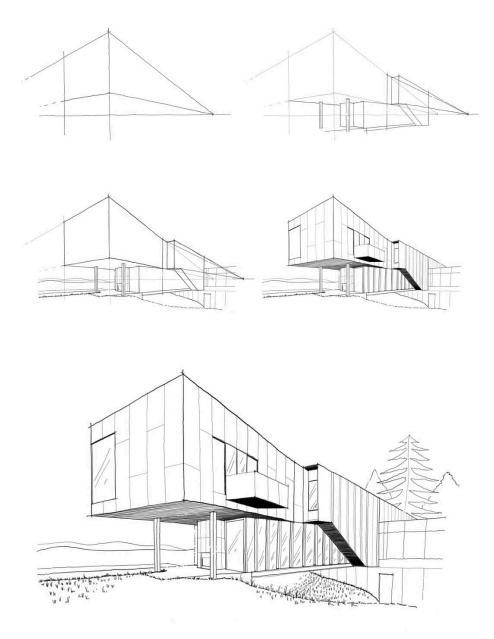
TREE HOUSE / MALAN VORSTER | CAPE TOWN, SOUTH AFRICA



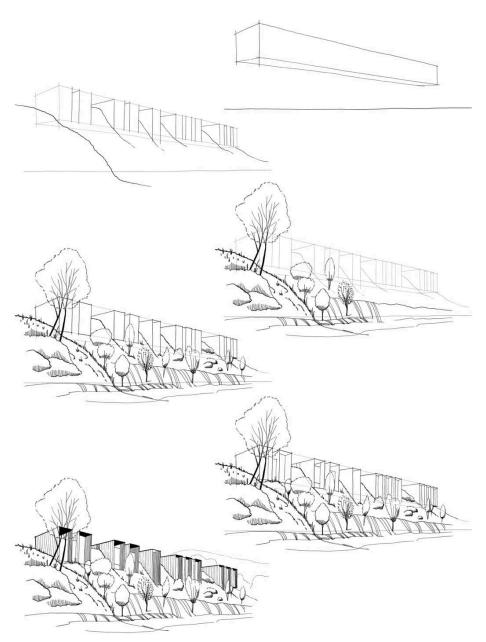
BEIRUT TERRACES / HERZOG & DE MEURON | BEIRUT, LEBANON



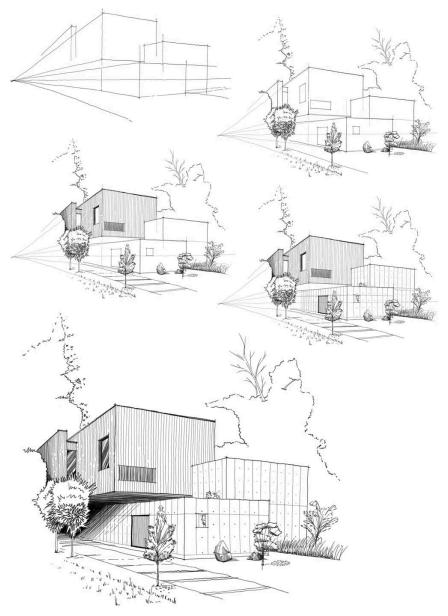
DYEJI / COSTA LOPES | LUANDA, ANGOLA



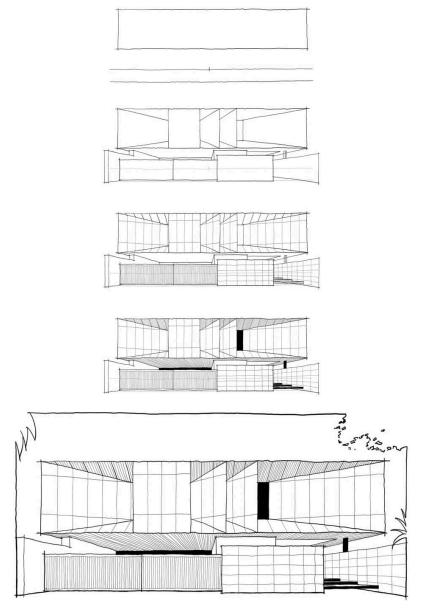
RIMROCK / OLSON KUNDIG | SPOKANE, WASHINGTON, USA



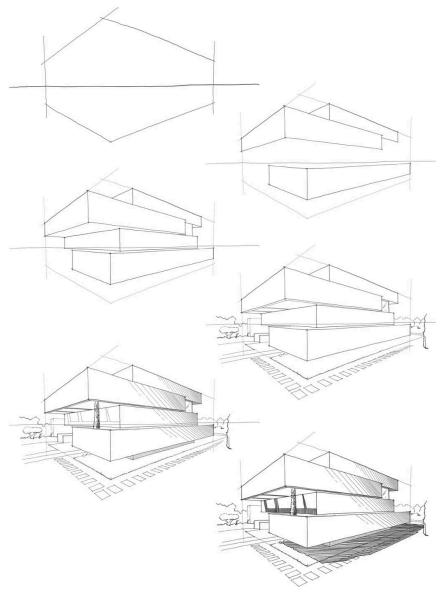
RURAL HOUSE / RCR ARQUITECTES | LA GARROTXA, SPAIN



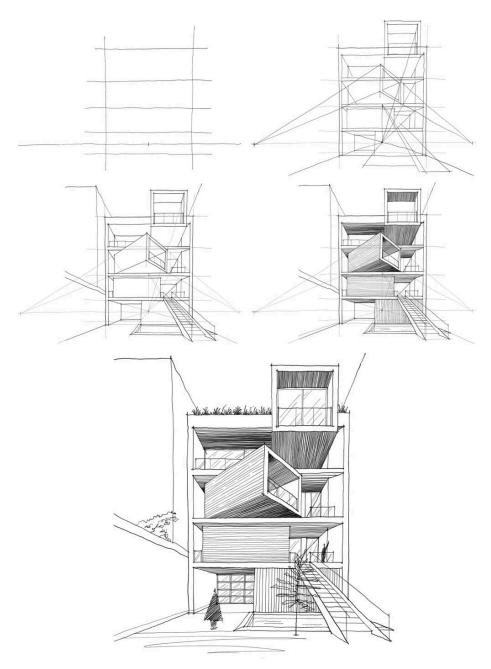
CONCRETE BOX HOUSE / ROBERTSON DESIGN | HOUSTON, TEXAS, USA



MARBLE HOUSE / OPENBOX ARCHITECTS | BANGKOK, THAILAND

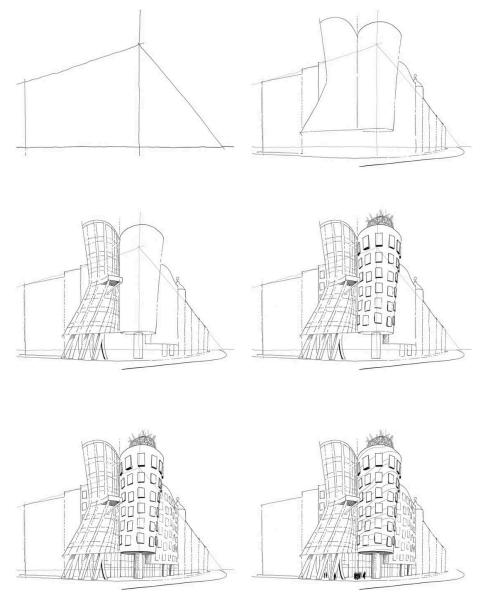


FIVE TERRACES AND A GARDEN / CORPO ATELIER | QUARTEIRA, PORTUGAL

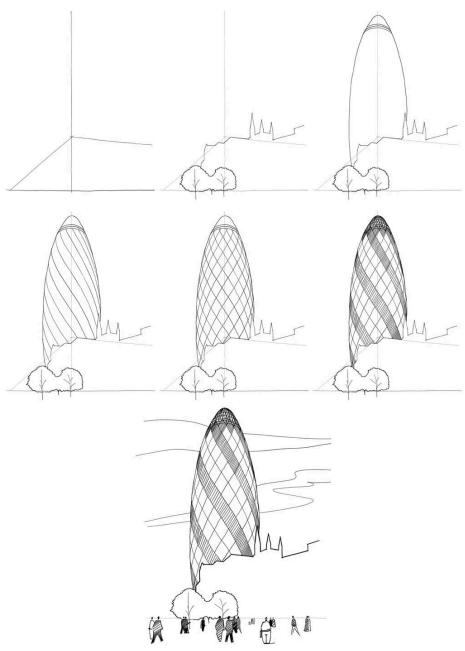


SHARIFI-HA HOUSE / NEXT OFFICE—ALIREZA TAGHABONI | TEHRAN, IRAN

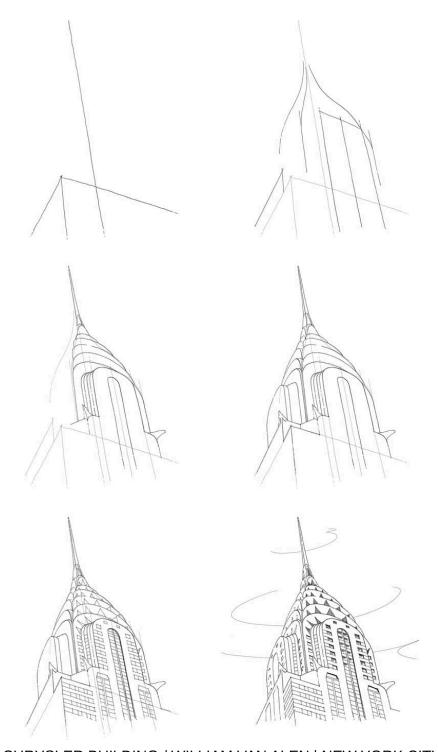
COMMERCIAL



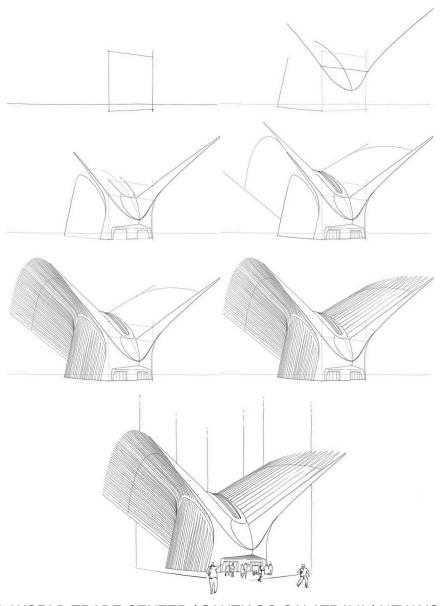
DANCING HOUSE / VLADO MILUNIĆ, FRANK GEHRY | PRAGUE, CZECH REPUBLIC



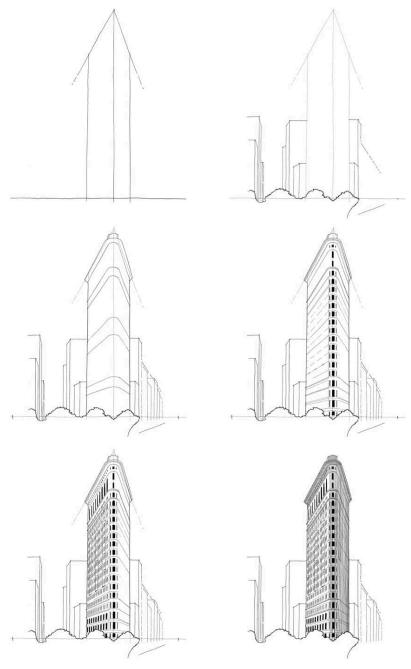
THE GHERKIN / FOSTER + PARTNERS | LONDON



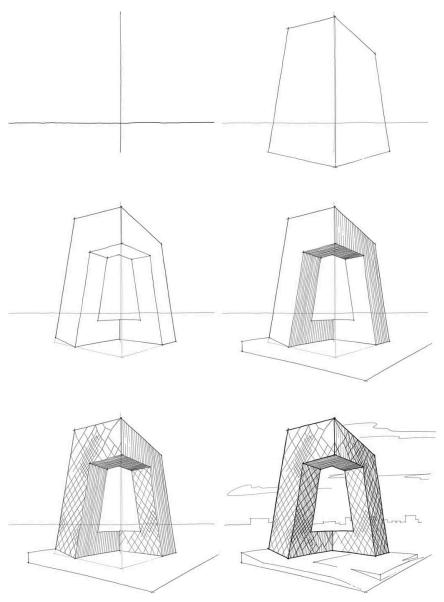
CHRYSLER BUILDING / WILLIAM VAN ALEN | NEW YORK CITY



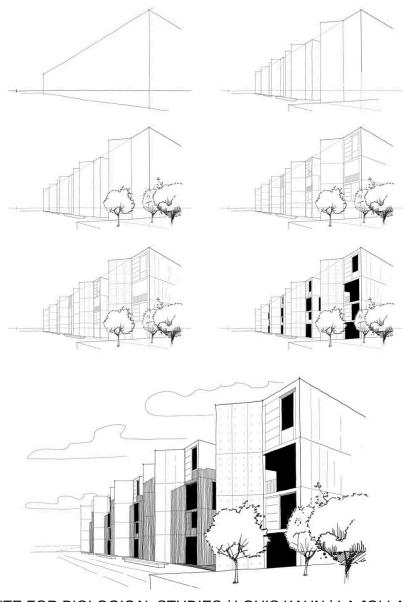
OCULUS, WORLD TRADE CENTER / SANTIAGO CALATRAVA | NEW YORK CITY



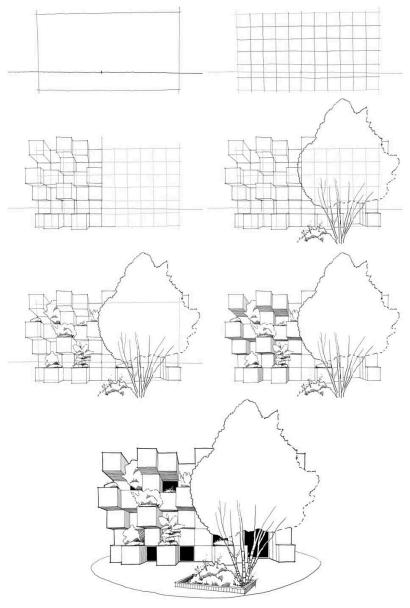
THE FLATIRON BUILDING / DANIEL BURNHAM | NEW YORK CITY



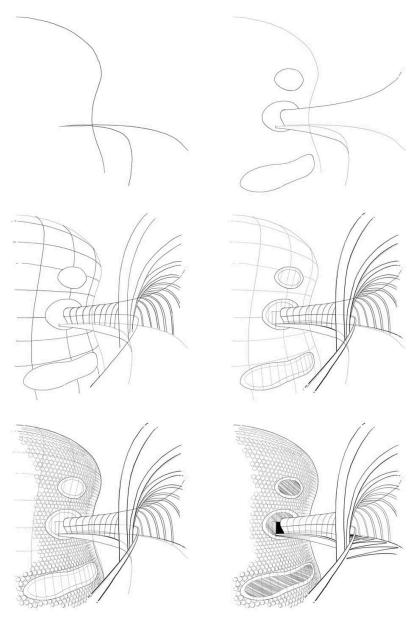
CENTRAL RADIO & TV TOWER / PAULUS SNOEREN | BEIJING



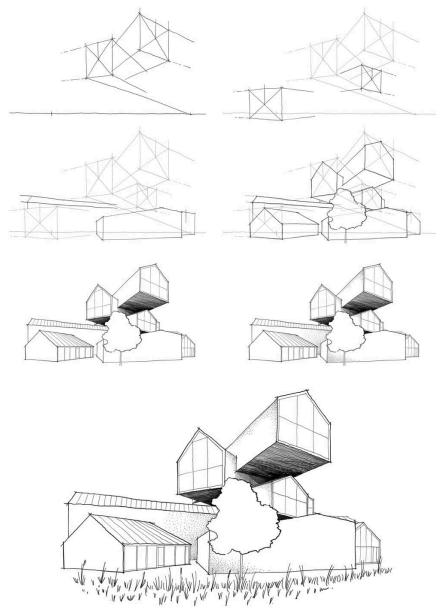
SALK INSTITUTE FOR BIOLOGICAL STUDIES / LOUIS KAHN | LA JOLLA, CALIFORNIA, USA



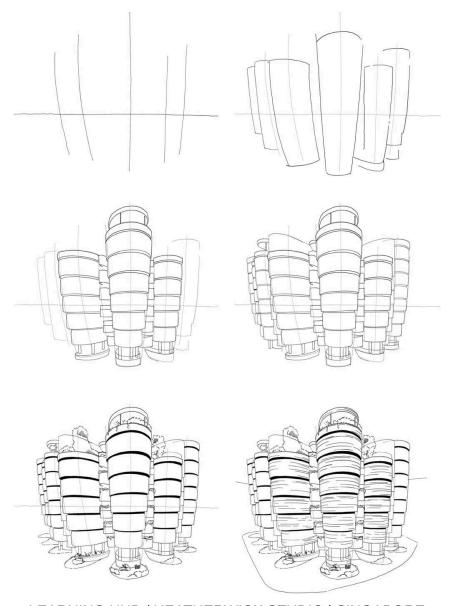
SUGAMO SHINKIN BANK / EMMANUELLE MOUREAUX ARCHITECTURE + DESIGN | KAWAGUCHI, JAPAN



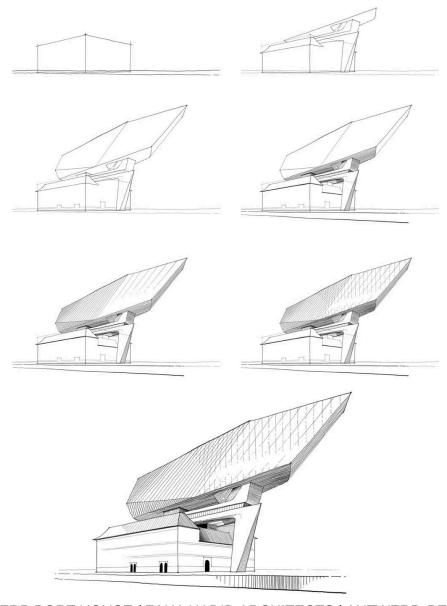
SELFRIDGES BUILDING, BIRMINGHAM / JAN KAPLICKY | BIRMINGHAM, ENGLAND



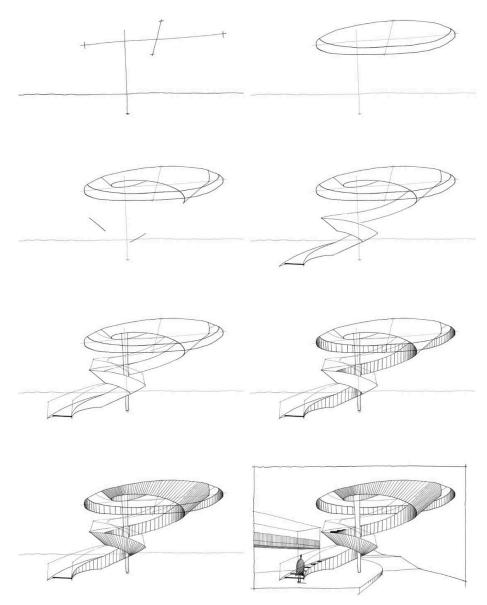
VITRAHAUS / HERZOG & DE MEURON | WEIL AM RHEIN, GERMANY



LEARNING HUB / HEATHERWICK STUDIO | SINGAPORE

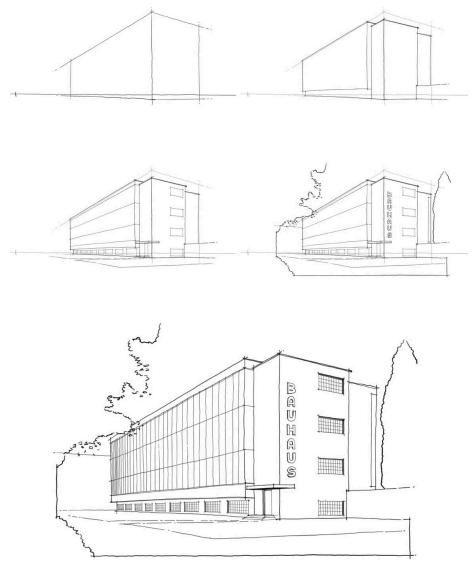


ANTWERP PORT HOUSE / ZAHA HADID ARCHITECTS | ANTWERP, BELGIUM

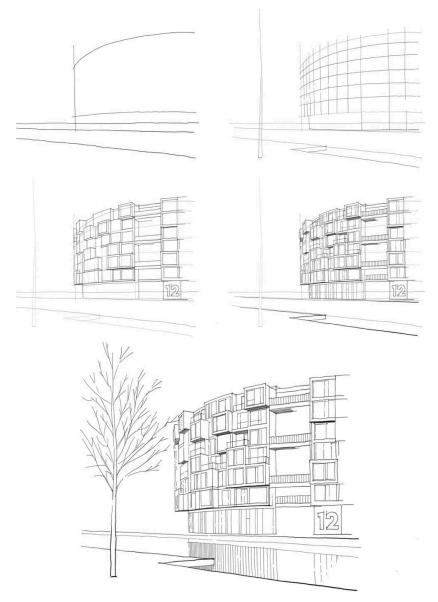


ANTINORI WINERY (STAIRCASE DETAIL) / ARCHEA ASSOCIATI | BARGINO, ITALY

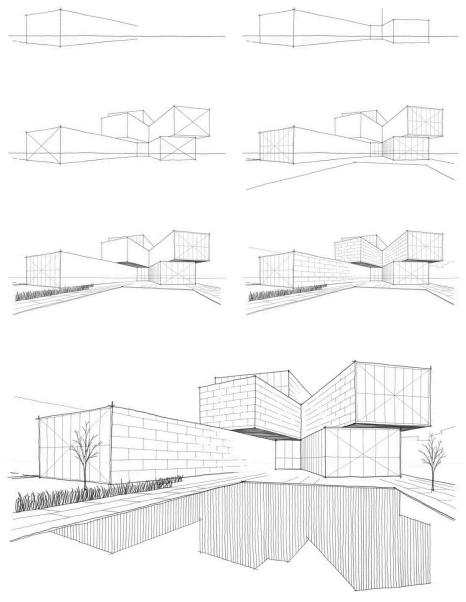
INSTITUTIONAL / EDUCATIONAL



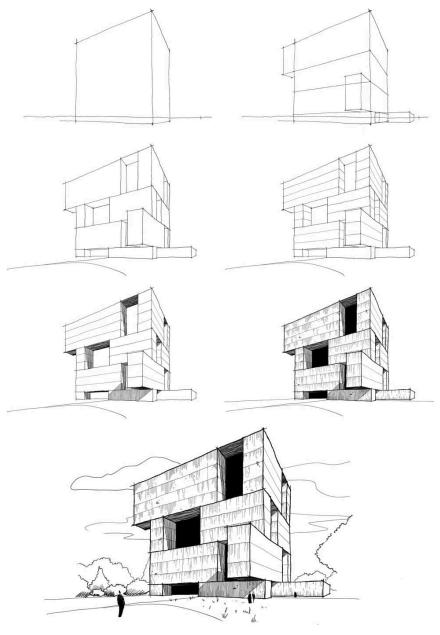
BAUHAUS / WALTER GROPIUS | DESSAU, GERMANY



TIETGENKOLLEGIET / LUNDGAARD & TRANBERG | COPENHAGEN

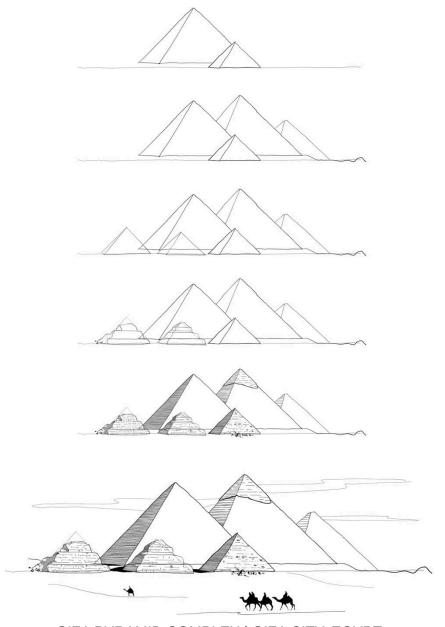


INSTITUTE FOR CONTEMPORARY ART, VIRGINIA COMMONWEALTH UNIVERSITY / STEVEN HOLL ARCHITECTS | RICHMOND, VIRGINIA, USA

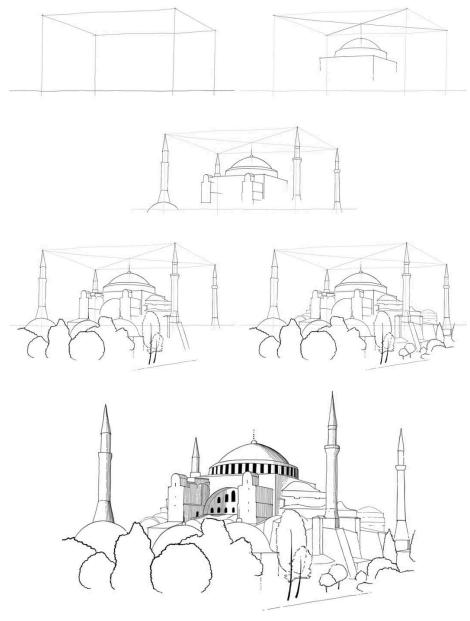


INNOVATION CENTER, UNIVERSITY OF CHILE / ALEJANDRO ARAVENA | SANTIAGO, CHILE

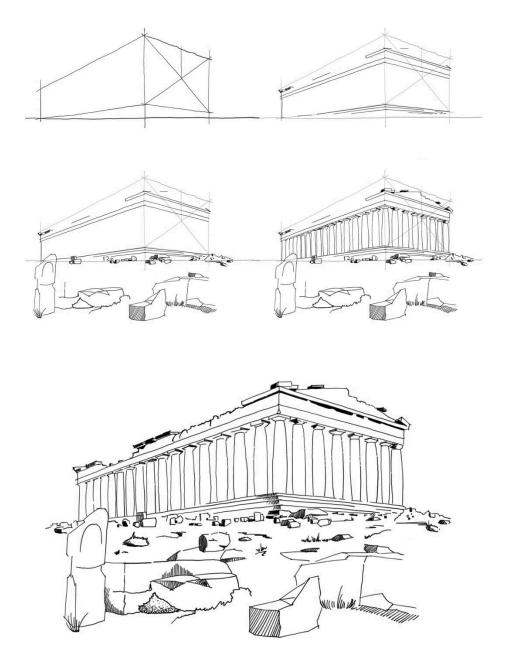
HISTORIC / SACRED / MONUMENTS



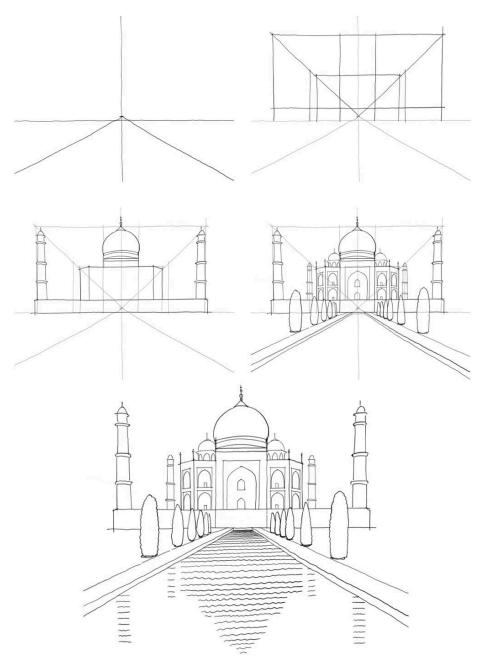
GIZA PYRAMID COMPLEX | GIZA CITY, EGYPT



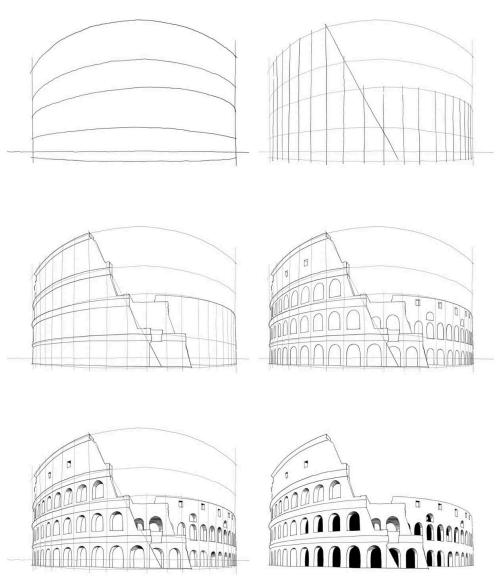
HAGIA SOFIA / ATTRIBUTED TO ISIDORE OF MELITUS, ANTHEMIUS OF TRALLES | ISTANBUL



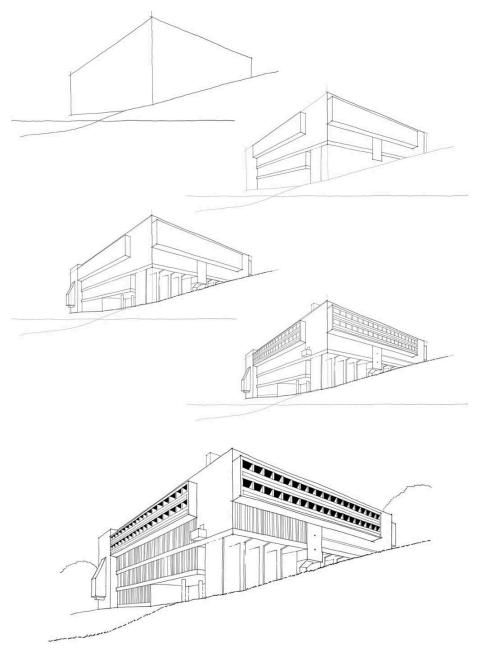
THE PARTHENON, ACROPOLIS OF ATHENS | ATHENS



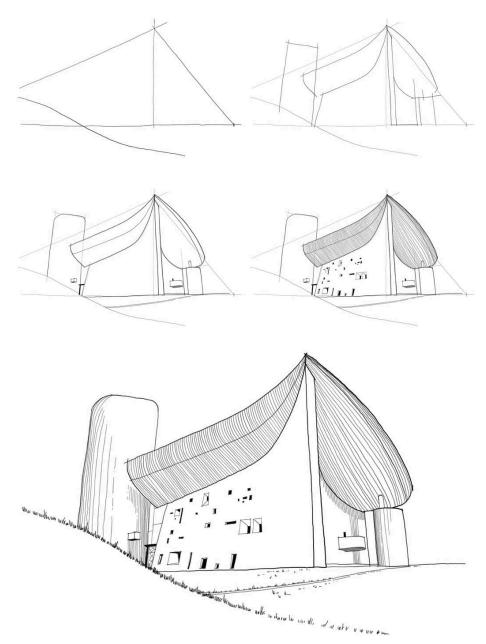
TAJ MAHAL / USTAD AHMAD LAHAURI | AGRA, INDIA



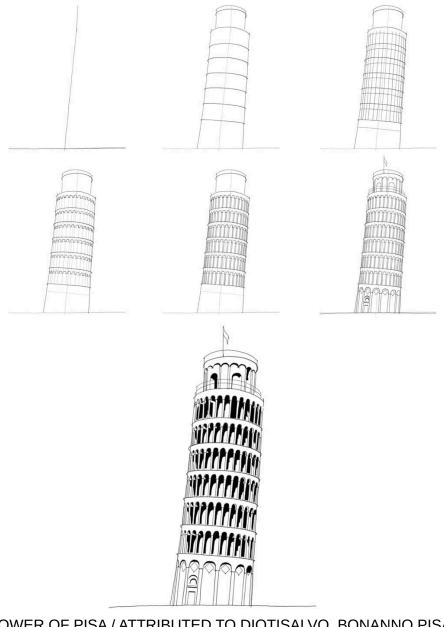
COLOSSEUM | ROME



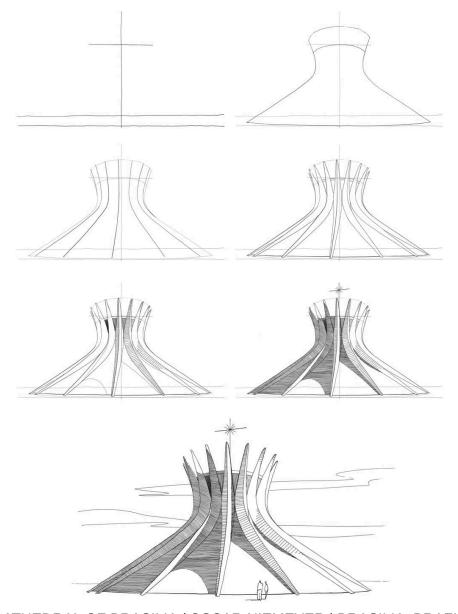
SAINTE MARIE DE LA TOURETTE / LE CORBUSIER | L'ARBRESLE, FRANCE



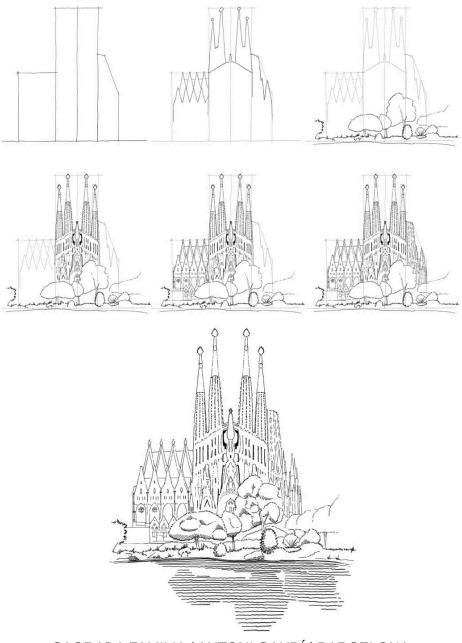
NOTRE-DAME DU HAUT / LE CORBUSIER | RONCHAMP, FRANCE



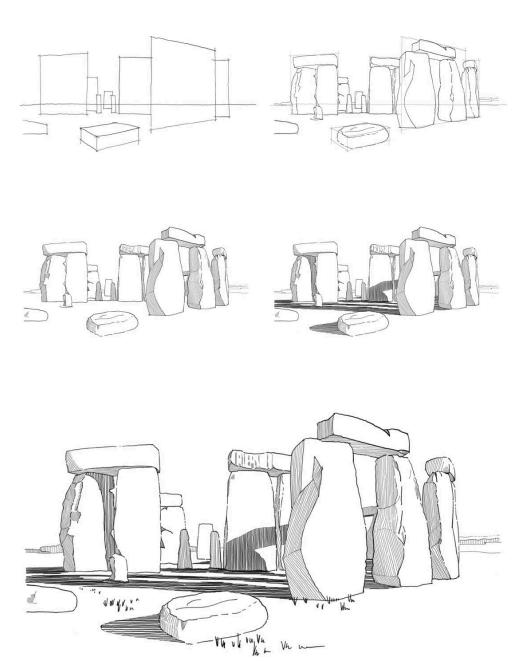
LEANING TOWER OF PISA / ATTRIBUTED TO DIOTISALVO, BONANNO PISANO | PISA, ITALY



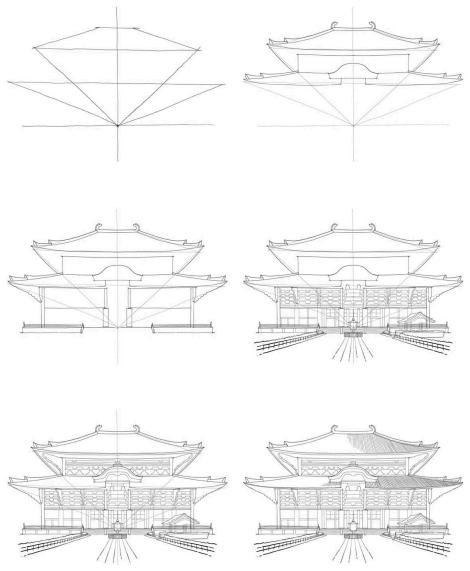
CATHEDRAL OF BRASILIA / OSCAR NIEMEYER | BRASILIA, BRAZIL



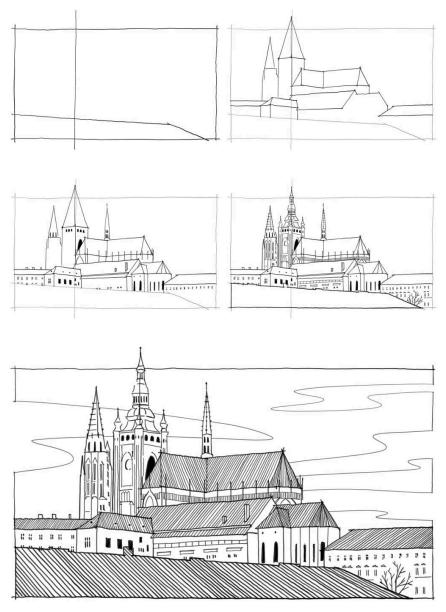
SAGRADA FAMILIA / ANTONI GAUDÍ | BARCELONA



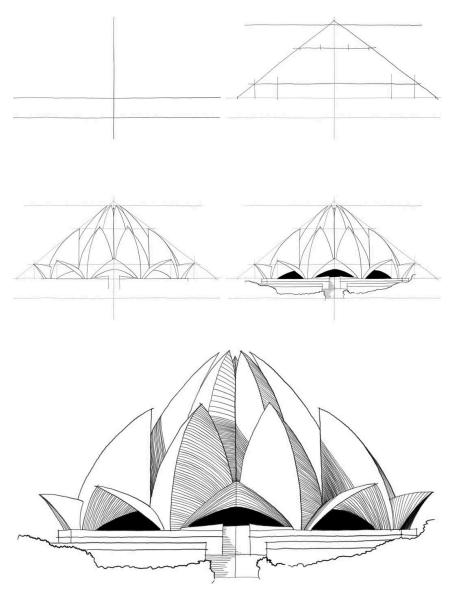
STONEHENGE | WILTSHIRE, ENGLAND



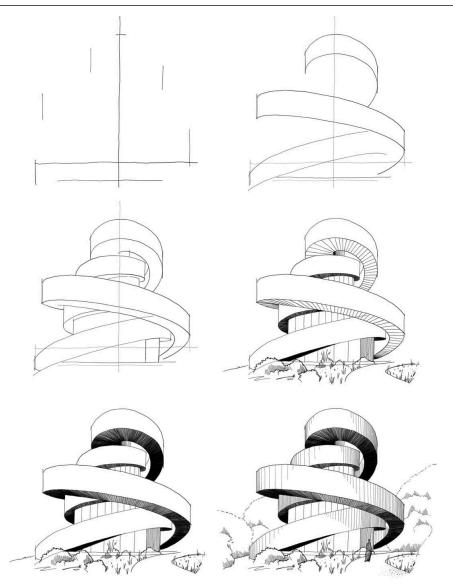
THE GREAT BUDDHA HALL OF TŌDAI-JI | NARA, JAPAN



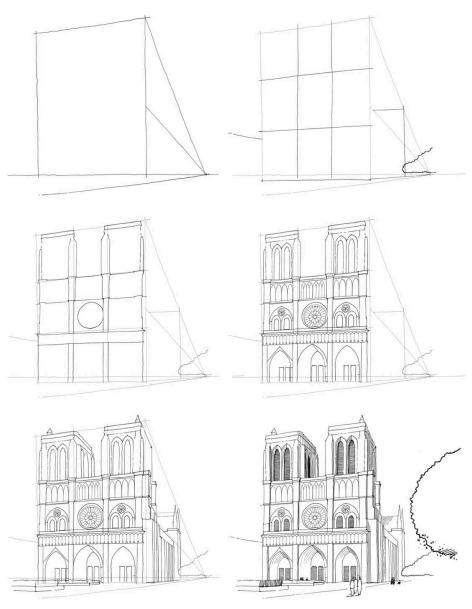
PRAGUE CASTLE / ATTRIBUTED TO MATTHIAS OF ARRAS, PETER PARLER | PRAGUE, CZECH REPUBLIC



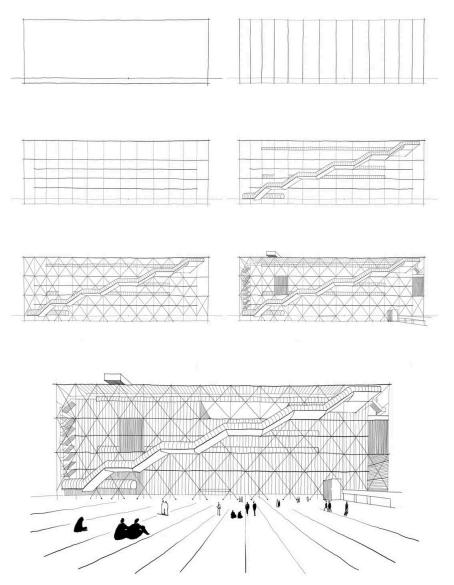
LOTUS TEMPLE / FARIBORZ SAHBA | DELHI, INDIA



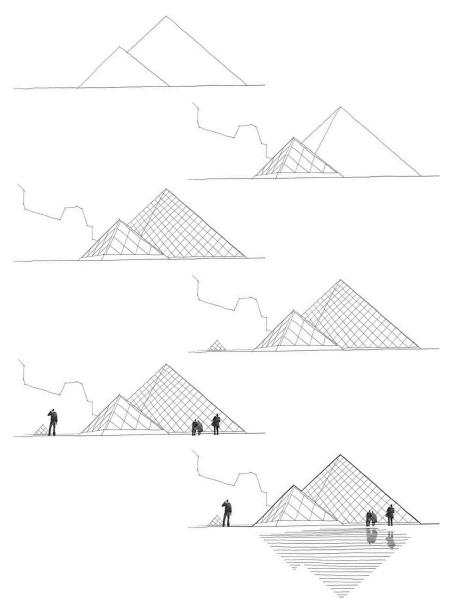
RIBBON CHAPEL / HIROSHI NAKAMURA | HIROSHIMA, JAPAN



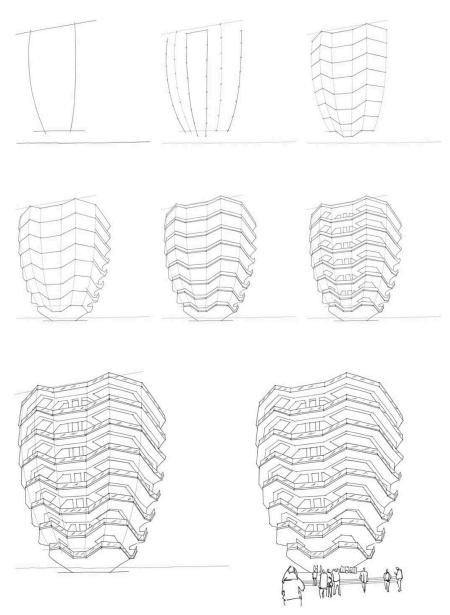
NOTRE-DAME DE PARIS | PARIS



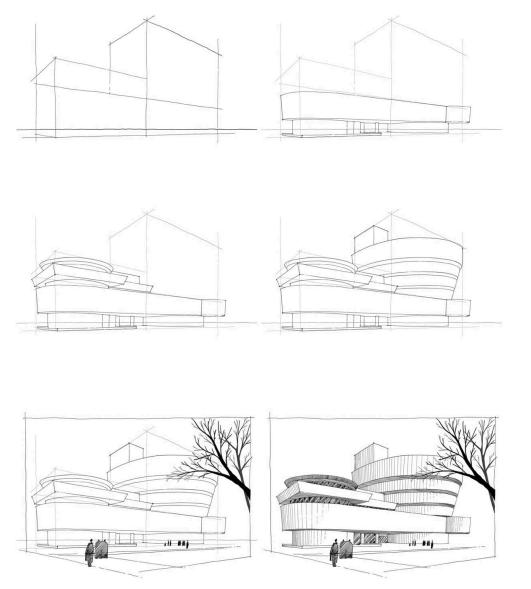
CENTRE GEORGES POMPIDOU / RENZO PIANO BUILDING WORKSHOP, RICHARD ROGERS | PARIS



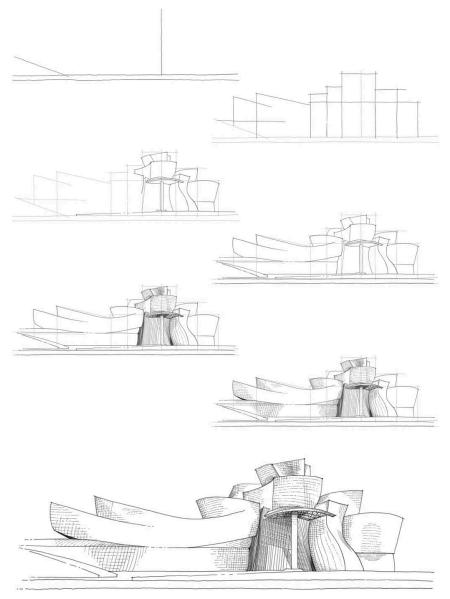
LOUVRE PYRAMID / I. M. PEI | PARIS



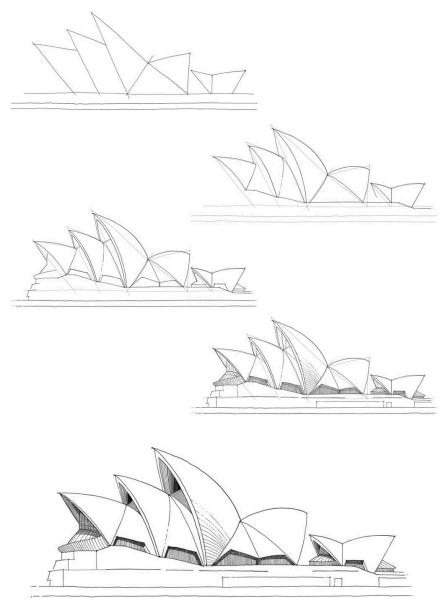
VESSEL / HEATHERWICK STUDIO | NEW YORK CITY



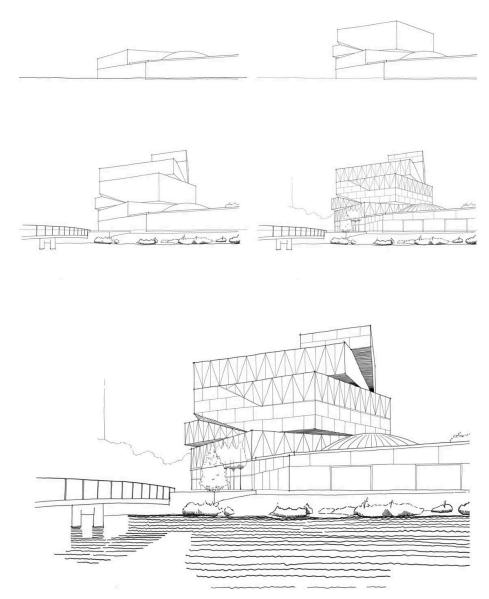
SOLOMON R. GUGGENHEIM MUSEUM / FRANK LLOYD WRIGHT | NEW YORK CITY



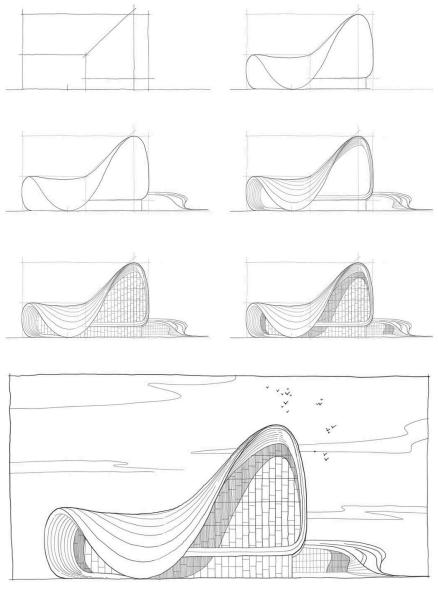
GUGGENHEIM MUSEUM BILBAO / FRANK GEHRY | BILBAO, SPAIN



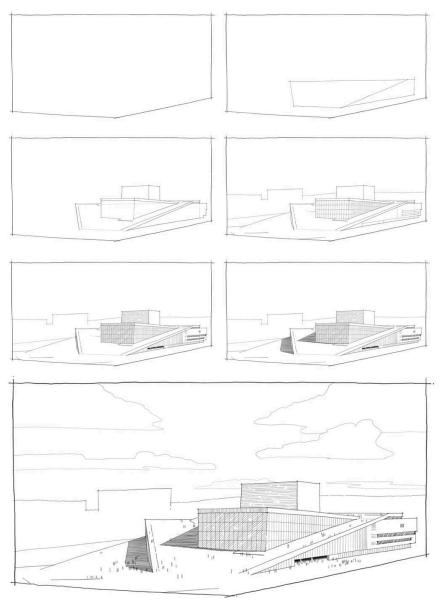
SYDNEY OPERA HOUSE / JØRN UTZON | SYDNEY, AUSTRALIA



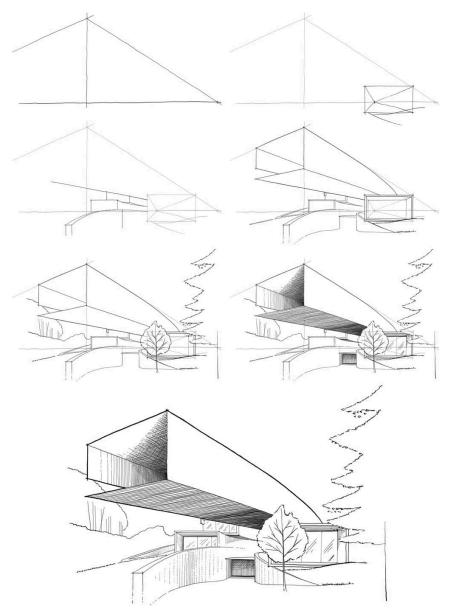
EXPERIMENTA BUILDING / SAUERBRUCH HUTTON | HEILBRONN, GERMANY



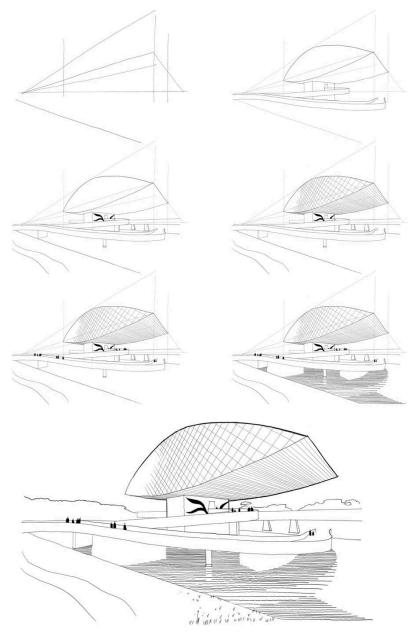
HEYDAR ALIYEV CENTER / ZAHA HADID ARCHITECTS | BAKU, AZERBAIJAN



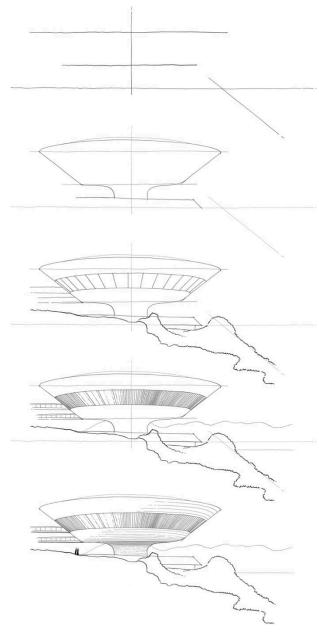
OSLO OPERA HOUSE / SNØHETTA | OSLO, NORWAY



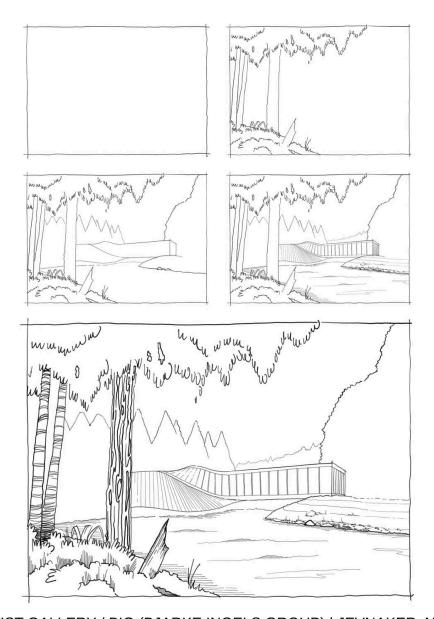
HOKI MUSEUM / NIKKEN SEKKEI | MIDORI-KU, CHIBA, JAPAN



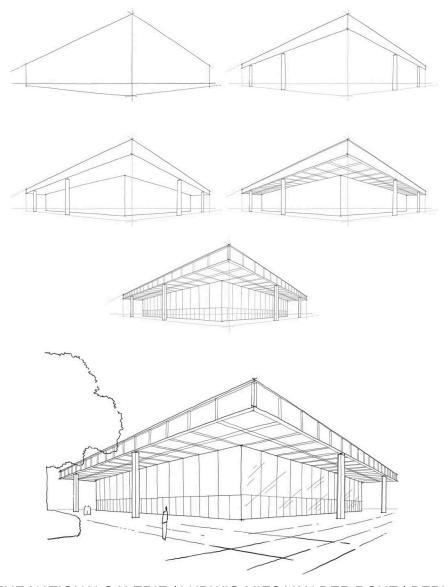
OSCAR NIEMEYER MUSEUM / OSCAR NIEMEYER | CURITIBA, BRAZIL



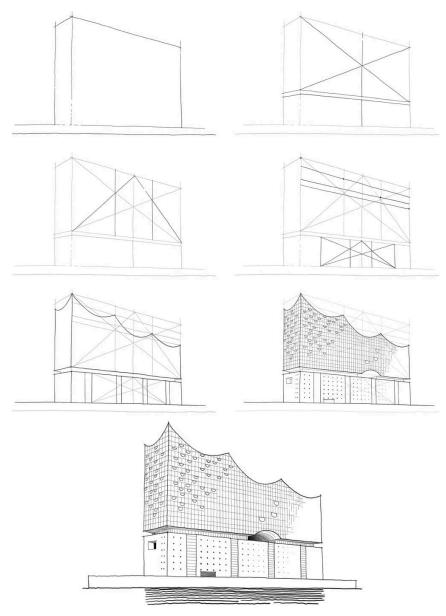
NITERÓI CONTEMPORARY ART MUSEUM / OSCAR NIEMAYER | RIO DE JANEIRO



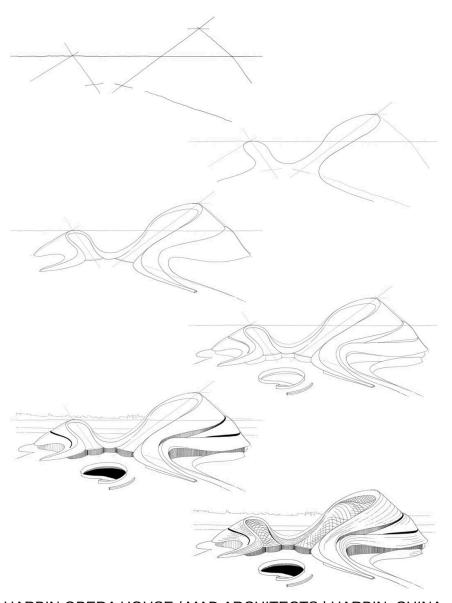
THE TWIST GALLERY / BIG (BJARKE INGELS GROUP) | JEVNAKER, NORWAY



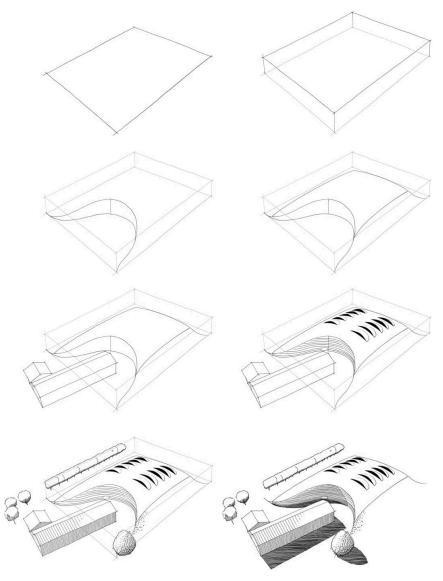
NEUE NATIONALGALERIE / LUDWIG MIES VAN DER ROHE | BERLIN



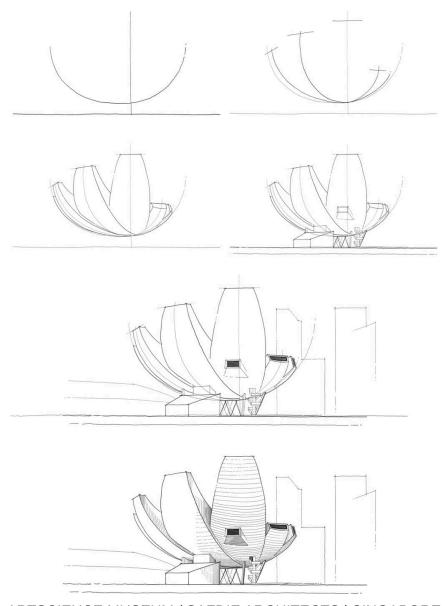
ELBPHILHARMONIE / HERZOG & DE MEURON | HAMBURG, GERMANY



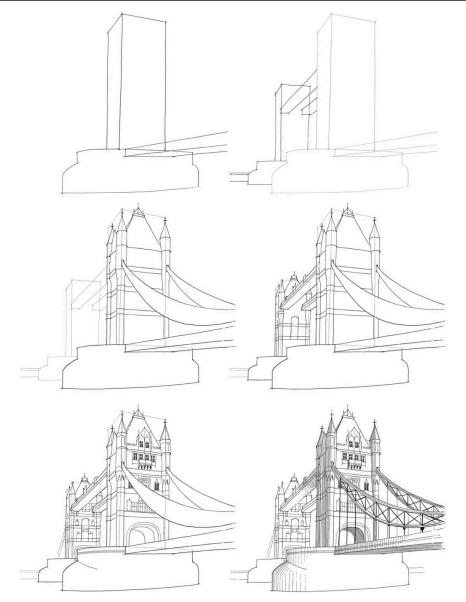
HARBIN OPERA HOUSE / MAD ARCHITECTS | HARBIN, CHINA



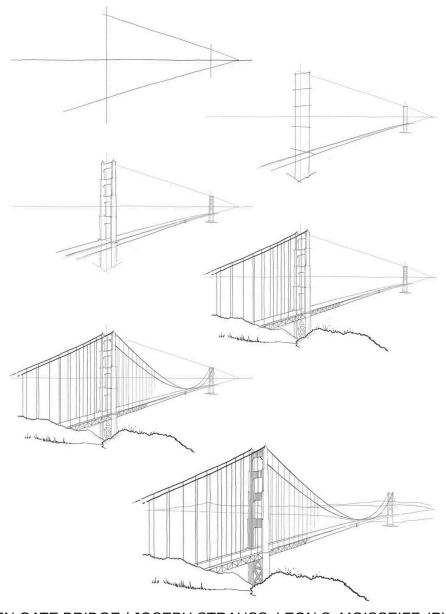
ENZO FERRARI MUSEUM / JAN KAPLICKY | MODENA, ITALY



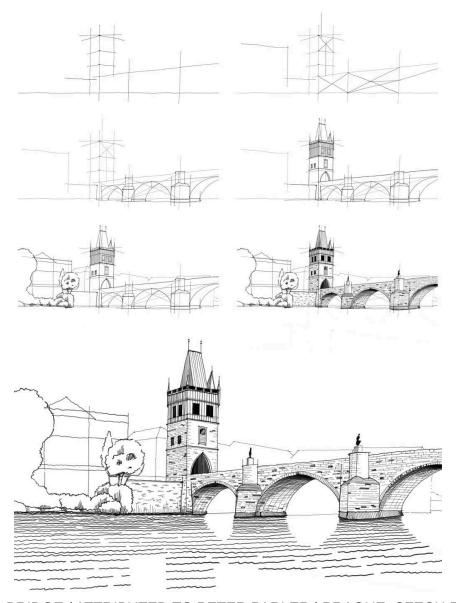
ARTSCIENCE MUSEUM / SAFDIE ARCHITECTS | SINGAPORE



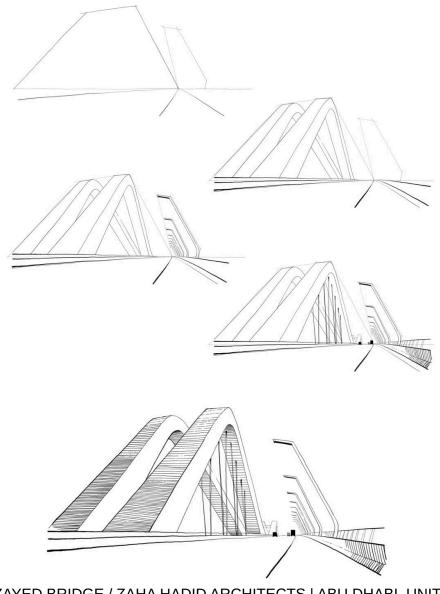
TOWER BRIDGE / ATTRIBUTED TO HORACE JONES | LONDON



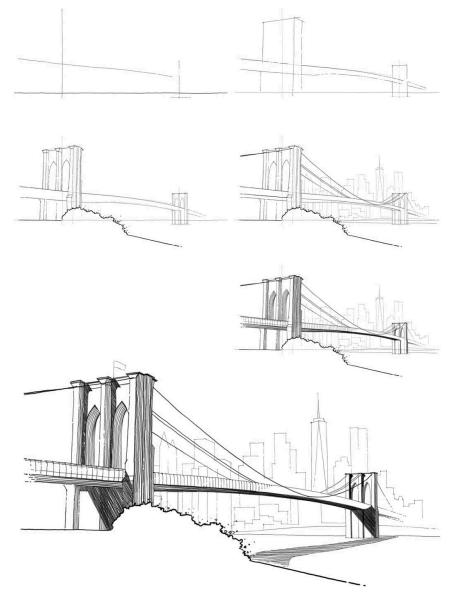
GOLDEN GATE BRIDGE / JOSEPH STRAUSS, LEON S. MOISSEIFF, IRVING F. MORROW | SAN FRANCISCO, CALIFORNIA, USA



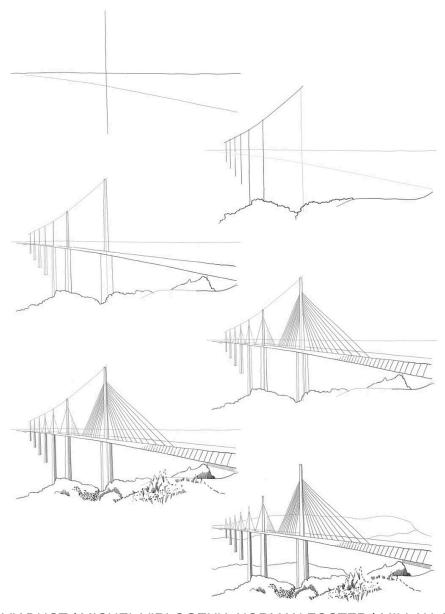
CHARLES BRIDGE / ATTRIBUTED TO PETER PARLER | PRAGUE, CZECH REPUBLIC



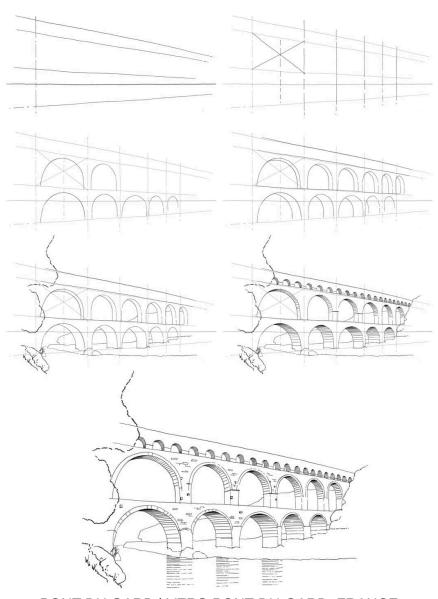
SHEIKH ZAYED BRIDGE / ZAHA HADID ARCHITECTS | ABU DHABI, UNITED ARAB EMIRATES



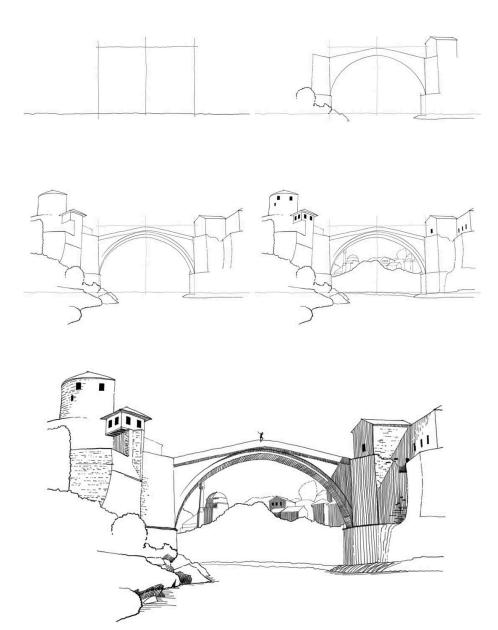
BROOKLYN BRIDGE / JOHN AUGUSTUS ROEBLING | NEW YORK CITY



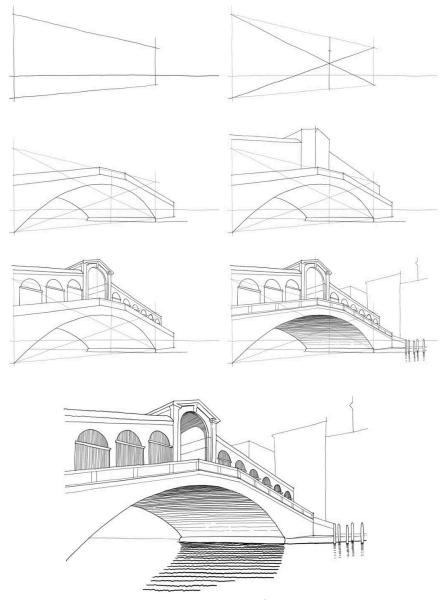
MILLAU VIADUCT / MICHEL VIRLOGEUX, NORMAN FOSTER | MILLAU, FRANCE



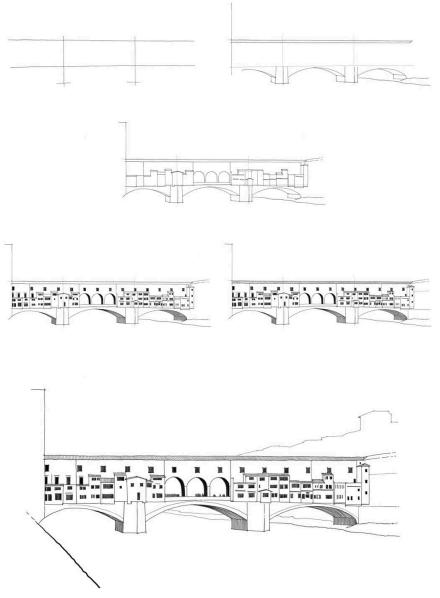
PONT DU GARD | VERS-PONT-DU-GARD, FRANCE



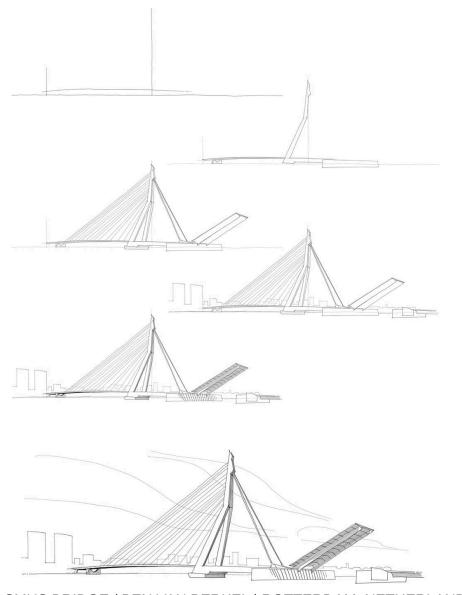
STARI MOST | MOSTAR, BOSNIA AND HERZEGOVINA



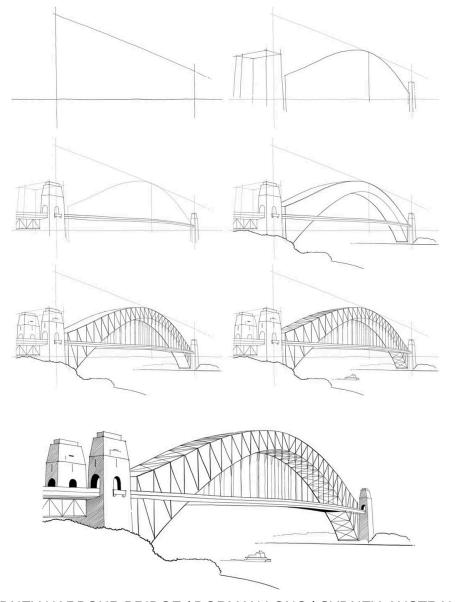
RIALTO BRIDGE / ATTRIBUTED TO NICOLÒ BARATTIERI | VENICE, ITALY



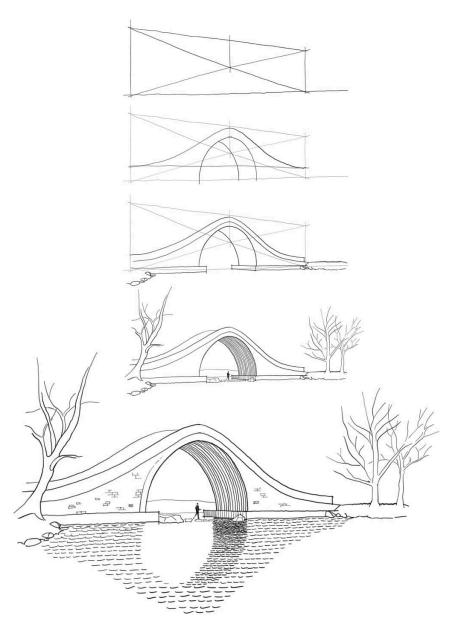
PONTE VECCHIO / ATTRIBUTED TO TADDEO GADDI, NERI DI FIORAVANTE | FLORENCE, ITALY



ERASMUS BRIDGE / BEN VAN BERKEL | ROTTERDAM, NETHERLANDS

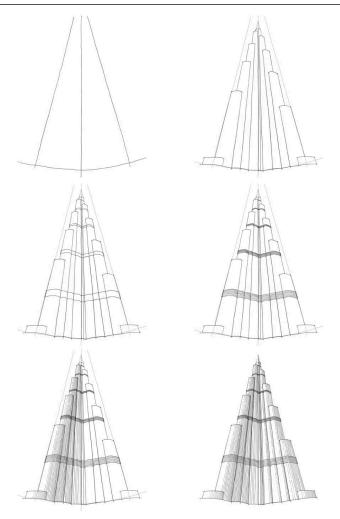


SYDNEY HARBOUR BRIDGE / DORMAN LONG | SYDNEY, AUSTRALIA

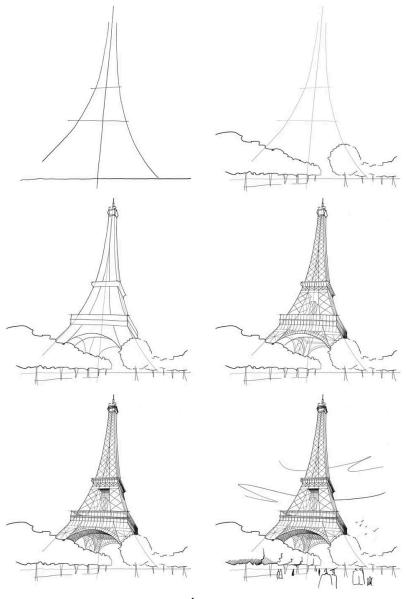


JADE BELT BRIDGE | BEIJING

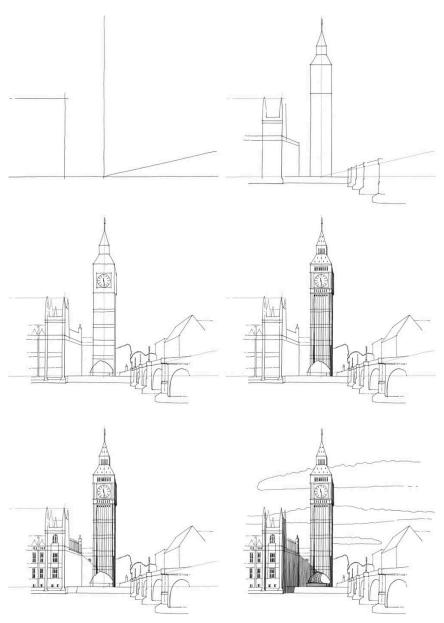
TOWERS / HIGH-RISES / SKYSCRAPERS



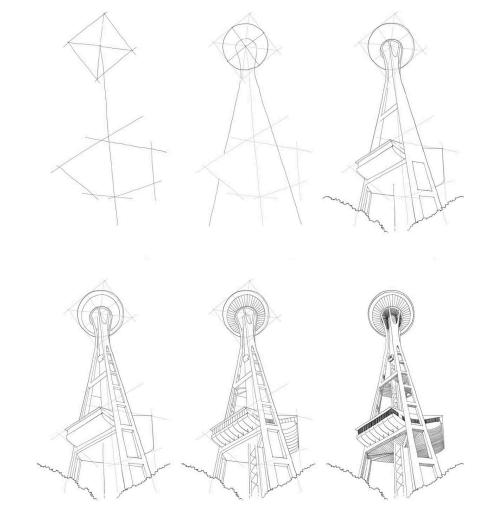
BURJ KHALIFA / SKIDMORE, OWINGS & MERRILL | DUBAI, UNITED ARAB EMIRATES



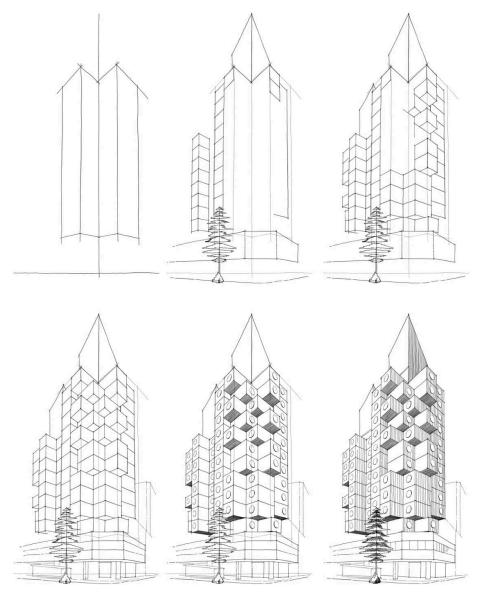
EIFFEL TOWER / MAURICE KOECHLIN, ÉMILE NOUGUIER, STEPHEN SAUVESTRE | PARIS



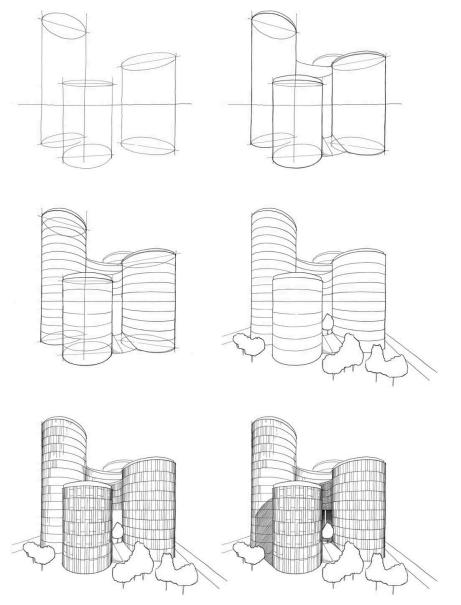
BIG BEN / AUGUSTUS PUGIN | LONDON



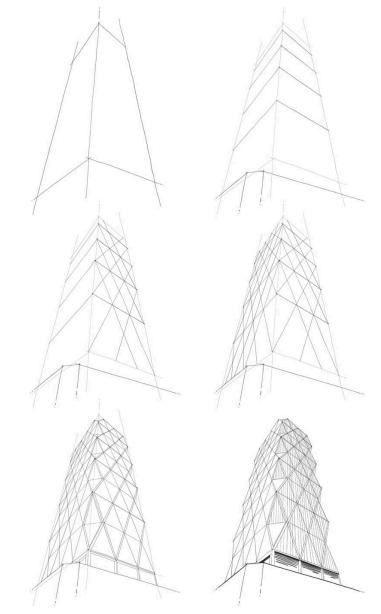
SPACE NEEDLE / JOHN GRAHAM & COMPANY | SEATTLE, WASHINGTON, USA



NAKAGIN CAPSULE TOWER / KISHO KUROKAWA | TOKYO, JAPAN

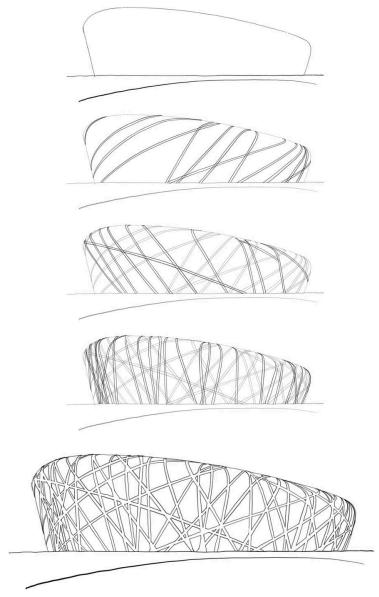


AXEL TOWERS / LUNDGAARD & TRANBERG | COPENHAGEN, DENMARK



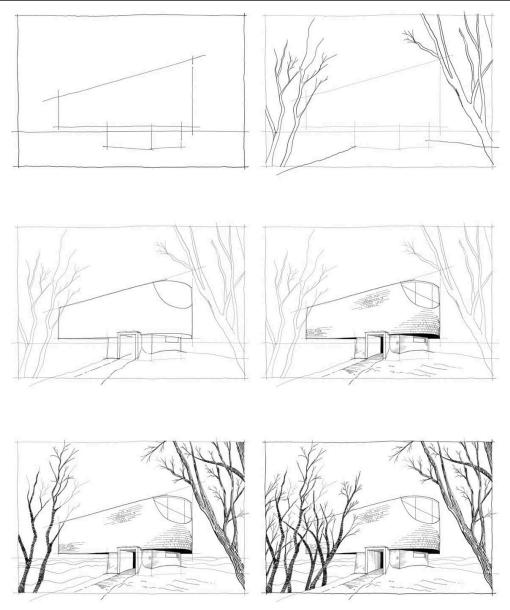
HEARST TOWER / FOSTER + PARTNERS | NEW YORK CITY

SPORTS FACILITIES



BEIJING NATIONAL STADIUM (BIRD'S NEST) / HERZOG & DE MEURON | BEIJING

LANDSCAPE ARCHITECTURE



STAGE OF FOREST / META-PROJECT | JILIN, CHINA

ACKNOWLEDGMENTS

Creating this book was my first experience with traditional publishing, and thanks to the people mentioned below, it was a wonderful one! I didn't expect it to be easy—and it wasn't. There was lots to learn in the process. I'd love to give my thanks to these amazing people who were absolutely essential to the creation of this book.

I'd like to start by thanking my awesome wife, Pavlína. Thank you for your valuable feedback, encouragement, and never-ending support on the way. You have always been there for me and your support means the world to me. Thank you.

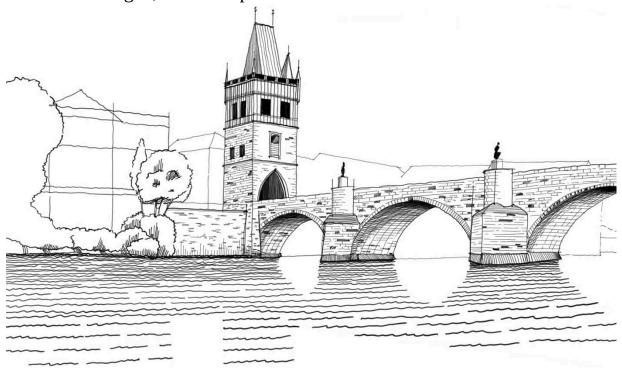
To Marty McDonough: Thank you for being a caring friend and partner who—despite being a busy CEO—always finds time to discuss important things with me.

I am very grateful to Graham Shaw for sharing his wisdom and experiences with writing and publishing his own books. Thank you.

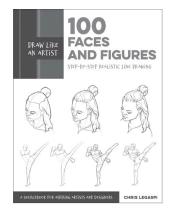
Thanks to everyone at The Quarto Group who made this experience really nice and smooth. Special thanks to Meredith Quinn, the project editor, for asking for and listening to my suggestions; Joy Aquilino, the editor who guided me through the whole journey; Lydia Anderson, the marketing manager with an open mind and great ideas; and Heather Godin, the art director, for her continuous support and encouragement.

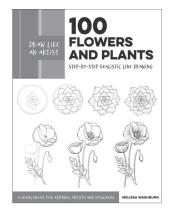
ABOUT THE AUTHOR

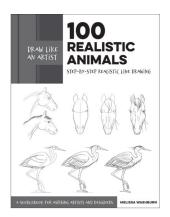
David Drazil is an architect who loves to sketch. Every day he shares his passion for the visual representation of architecture through drawings and tips on his website SketchLikeAnArchitect.com and on his popular Instagram account @david_drazil. Through creating educational resources on architectural sketching, David is focused on helping other architects, designers, and hobby sketchers to use sketching as a tool to improve their design process and presentation. A trained architect with international experience, David holds a BSc in Architecture and Building Engineering from Czech Technical University in Prague and an MSc in Architecture and Design from Aalborg University in Aalborg. He also collaborates as a featured artist with the iPad sketching apps Morpholio and ShadowDraw. He lives in Prague, Czech Republic.



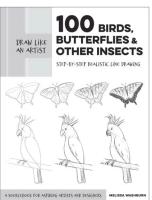
OTHER TITLES IN THE DRAW LIKE AN ARTIST SERIES











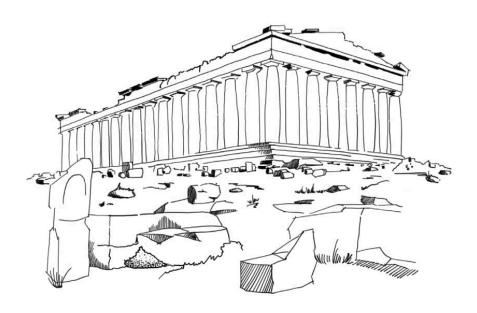
Draw Like an Artist: 100 Faces and Figures 978-1-63159-710-7

Draw Like an Artist: 100 Flowers and Plants 978-1-63159-755-8

Draw Like an Artist: 100 Realistic Animals 978-1-63159-819-7

Draw Like an Artist: 100 Fantasy Creatures and Characters 978-1-63159-964-4

Draw Like an Artist: 100 Birds, Butterflies, and Other Insects 978-1-63159-947-7



To all of you who seek progress in your creative endeavors. To all of the fans of sketching and architecture, creatives, and life-long learners. Have fun and happy sketching!



Inspiring | Educating | Creating | Entertaining

Brimming with creative inspiration, how-to projects, and useful information to enrich your everyday life, Quarto Knows is a favorite destination for those pursuing their interests and passions. Visit our site and dig deeper with our books into your area of interest: Quarto Creates, Quarto Cooks, Quarto Homes, Quarto Lives, Quarto Drives, Quarto Explores, Quarto Gifts, or Quarto Kids.

© 2021 Quarto Publishing Group USA Inc.

Images © 2021 David Drazil

Concept, text, design, and presentation © 2021 Quarto Publishing Group USA Inc First Published in 2021 by Quarry Books, an imprint of The Quarto Group, 100 Cummings Center, Suite 265-D, Beverly, MA 01915, USA.

T (978) 282-9590 F (978) 283-2742 QuartoKnows.com

All rights reserved. No part of this book may be reproduced in any form without written permission of the copyright owners. All images in this book have been reproduced with the knowledge and prior consent of the artists concerned, and no responsibility is accepted by producer, publisher, or printer for any infringement of copyright or otherwise, arising from the contents of this publication. Every effort has been made to ensure that credits accurately comply with information supplied. We apologize for any inaccuracies that may have occurred and will resolve inaccurate or missing information in a subsequent reprinting of the book.

Quarry Books titles are also available at discount for retail, wholesale, promotional, and bulk purchase. For details, contact the Special Sales Manager by email at specialsales@quarto.com or by mail at The Quarto Group, Attn: Special Sales Manager, 100 Cummings Center, Suite 265-D, Beverly, MA 01915, USA.

10 9 8 7 6 5 4 3 2 1

ISBN: 978-0-7603-7076-6

Digital edition published in 2021 elSBN: 978-0-7603-7077-3

Design: Quarto Publishing Group USA Inc.

Illustration: David Drazil

Contents

Cover
Title Page
Contents
Introduction
How to Use This Book
Tips on Architectural Sketching & Drawing
Residential
Barcelona Pavilion Barcelona, Spain
Farnsworth House Plano, Illinois, USA
Villa Tugendhat Brno, Czech Republic
Fallingwater Mill Run, Pennsylvania, USA
Villa Savoye Poissy, France
Weissenhof Estate Stuttgart, Germany
Reflection of Mineral Tokyo
House in Abiko Abiko City, Japan
Victorian Painted Ladies San Francisco, California, USA
Markthal Rotterdam, Netherlands
Robie House Chicago, Illinois, USA
High Line at 520 West 28th Street New York City
Rietveld Schröder House Utrecht, Netherlands
Villa Mueller Prague, Czech Republic
Bay window detail Copenhagen, Denmark
Qiyunshan Tree House Hotel China
The Silo Copenhagen, Denmark
Valley Villa Vilnius, Lithuania
<u>Tree House Cape Town, South Africa</u>
Beirut Terraces Beirut, Lebanon
<u>DYEJI Luanda, Angola</u>
Rimrock Spokane, Washington, USA
Rural House La Garrotxa, Spain
Concrete Box House Houston, Texas, USA
Marble House Bangkok, Thailand
Five Terraces and a Garden Quarteira, Portugal

Sharifi-Ha House Tehran, Iran
Commercial (Offices / Administrative)
Dancing House Prague, Czech Republic
The Gherkin London
Chrysler Building New York City
Oculus, World Trade Center New York City
The Flatiron Building New York City
Central Radio & TV Tower Beijing
Salk Institute for Biological Studies La Jolla, California, USA
Sugamo Shinkin Bank Kawaguchi, Japan
Selfridges Building, Birmingham Birmingham, England
VitraHaus Weil am Rhein, Germany
Learning Hub Singapore
Antwerp Port House Antwerp, Belgium
Antinori Winery (staircase detail) Bargino, Italy
Institutional / Educational
Bauhaus Dessau, Germany
<u>Tietgenkollegiet Copenhagen, Denmark</u>
Institute for Contemporary Art, Virginia Commonwealth
University Richmond, Virginia, USA
Innovation Center, University of Chile Santiago, Chile
Historic / Sacred / Monuments
Giza Pyramid Complex Giza City, Egypt
Hagia Sofia Istanbul
The Parthenon, Acropolis of Athens Athens
<u>Taj Mahal Agra, India</u>
Colosseum Rome
Sainte Marie de La Tourette L'Arbresle, France
Notre-Dame du Haut Ronchamp, France
<u>Leaning Tower of Pisa Pisa, Italy</u>
Cathedral of Brasilia Brasilia, Brazil
Sagrada Familia Barcelona, Spain
Stonehenge Wiltshire, England
The Great Buddha Hall of Tōdai-ji Nara, Japan
Prague Castle Prague, Czech Republic
Lotus Temple Delhi, India
Cultural (Museums / Galleries / Libraries)

Ribbon Chapel | Hiroshima, Japan Notre-Dame de Paris | Paris Centre Georges Pompidou | Paris Louvre Pyramid | Paris Vessel | New York City Solomon R. Guggenheim Museum | New York City Guggenheim Museum Bilbao | Bilbao, Spain Sydney Opera House | Sydney, Australia Experimenta Building | Heilbronn, Germany Heydar Aliyev Center | Baku, Azerbaijan Oslo Opera House | Oslo, Norway Hoki Museum | Midori-ku, Chiba, Japan Oscar Niemeyer Museum | Curitiba, Brazil Niterói Contemporary Art Museum | Rio de Janeiro The Twist Gallery | Jevnaker, Norway Neue Nationalgalerie | Berlin Elbphilharmonie | Hamburg, Germany Harbin Opera House | Harbin, China Enzo Ferrari Museum | Modena, Italy ArtScience Museum | Singapore **Bridges** Tower Bridge | London Golden Gate Bridge | San Francisco, California, USA Charles Bridge | Prague, Czech Republic Sheikh Zayed Bridge | Abu Dhabi, United Arab Emirates Brooklyn Bridge | New York City Millau Viaduct | Millau, France Pont du Gard | Vers-Pont-du-Gard, France Stari Most | Mostar, Bosnia and Herzegovina Rialto Bridge | Venice, Italy Ponte Vecchio | Florence, Italy Erasmus Bridge | Rotterdam, Netherlands Sydney Harbour Bridge | Sydney, Australia Jade Belt Bridge | Beijing Towers / High-Rises / Skyscrapers Burj Khalifa | Dubai, United Arab Emirates Eiffel Tower | Paris

Big Ben | London
Space Needle | Seattle, Washington, USA
Nakagin Capsule Tower | Tokyo
Axel Towers | Copenhagen, Denmark
Hearst Tower | New York City
Sports Facilities
Beijing National Stadium (Bird's Nest) | Beijing
Landscape Architecture
Stage of Forest | Jilin, China
Acknowledgments
About the Author
Other Titles in The Draw like an Artist Series
Copyright

Page List

Guide

Cover
Start of Content
Contents